







## Recombinant Human T-cell surface glycoprotein CD1c (CD1C), partial

Product Code         CSB-EP004891HU           Relevance         Antigen-presenting protein that binds self and non-self lipid and glycolipid antigens and presents them to T-cell receptors on natural killer T-cells.           Storage         The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.           Uniprot No.         P29017           Alias         CD_antigen: CD1c           Product Type         Recombinant Protein           Immunogen Species         Homo sapiens (Human)           Purity         Greater than 90% as determined by SDS-PAGE.           Sequence         NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSCKSPEGFFQVAFNGLDLLSFQNTTWPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQWPPEAWLSSRPSLGSQDLLVCHA SGFYPKPVWVTWMRNEGEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM           Lead Time         3-7 business days           Research Area         Immunology           Source         E.coli           Gene Names         CD1C           Expression Region         18-302aa           Notes         Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.           Tag Info		
antigens and presents them to T-cell receptors on natural killer T-cells.  Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophiliz	<b>Product Code</b>	CSB-EP004891HU
storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  Uniprot No. P29017  Alias CD_antigen: CD1c  Product Type Recombinant Protein  Immunogen Species Homo sapiens (Human)  Purity Greater than 90% as determined by SDS-PAGE.  Sequence NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPWVVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM  Lead Time 3-7 business days  Research Area Immunology  Source E.coli  Gene Names CD1C  Expression Region 18-302aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 6xHis-tagged  Mol. Weight 36.2kDa  Protein Description Partial	Relevance	
Alias CD_antigen: CD1c  Product Type Recombinant Protein  Immunogen Species Homo sapiens (Human)  Purity Greater than 90% as determined by SDS-PAGE.  Sequence NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM  Lead Time 3-7 business days  Research Area Immunology  Source E.coli  Gene Names CD1C  Expression Region 18-302aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 6xHis-tagged  Mol. Weight 36.2kDa  Protein Description Partial	Storage	storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12
Product Type         Recombinant Protein           Immunogen Species         Homo sapiens (Human)           Purity         Greater than 90% as determined by SDS-PAGE.           Sequence         NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM           Lead Time         3-7 business days           Research Area         Immunology           Source         E.coli           Gene Names         CD1C           Expression Region         18-302aa           Notes         Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.           Tag Info         N-terminal 6xHis-tagged           Mol. Weight         36.2kDa           Protein Description         Partial	Uniprot No.	P29017
Immunogen Species         Homo sapiens (Human)           Purity         Greater than 90% as determined by SDS-PAGE.           Sequence         NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM           Lead Time         3-7 business days           Research Area         Immunology           Source         E.coli           Gene Names         CD1C           Expression Region         18-302aa           Notes         Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.           Tag Info         N-terminal 6xHis-tagged           Mol. Weight         36.2kDa           Protein Description         Partial	Alias	CD_antigen: CD1c
Purity       Greater than 90% as determined by SDS-PAGE.         Sequence       NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM         Lead Time       3-7 business days         Research Area       Immunology         Source       E.coli         Gene Names       CD1C         Expression Region       18-302aa         Notes       Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.         Tag Info       N-terminal 6xHis-tagged         Mol. Weight       36.2kDa         Protein Description       Partial	Product Type	Recombinant Protein
Sequence       NADASQEHVSFHVIQIFSFVNQSWARGQGSGWLDELQTHGWDSESGTIIFLH NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM         Lead Time       3-7 business days         Research Area       Immunology         Source       E.coli         Gene Names       CD1C         Expression Region       18-302aa         Notes       Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.         Tag Info       N-terminal 6xHis-tagged         Mol. Weight       36.2kDa         Protein Description       Partial	Immunogen Species	Homo sapiens (Human)
NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLINHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS CRVRHSSLGGQDIILYWGHHFSM  Lead Time 3-7 business days  Research Area Immunology  Source E.coli  Gene Names CD1C  Expression Region 18-302aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 6xHis-tagged  Mol. Weight 36.2kDa  Protein Description Partial	Purity	Greater than 90% as determined by SDS-PAGE.
Research Area Immunology  Source E.coli  Gene Names CD1C  Expression Region 18-302aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 6xHis-tagged  Mol. Weight 36.2kDa  Protein Description Partial	Sequence	NWSKGNFSNEELSDLELLFRFYLFGLTREIQDHASQDYSKYPFEVQVKAGCEL HSGKSPEGFFQVAFNGLDLLSFQNTTWVPSPGCGSLAQSVCHLLNHQYEGVT ETVYNLIRSTCPRFLLGLLDAGKMYVHRQVRPEAWLSSRPSLGSGQLLLVCHA SGFYPKPVWVTWMRNEQEQLGTKHGDILPNADGTWYLQVILEVASEEPAGLS
Source E.coli  Gene Names CD1C  Expression Region 18-302aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 6xHis-tagged  Mol. Weight 36.2kDa  Protein Description Partial	Lead Time	3-7 business days
Gene Names  CD1C  Expression Region  18-302aa  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal 6xHis-tagged  Mol. Weight  36.2kDa  Protein Description  Partial	Research Area	Immunology
Expression Region18-302aaNotesRepeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.Tag InfoN-terminal 6xHis-taggedMol. Weight36.2kDaProtein DescriptionPartial	Source	E.coli
Notes  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal 6xHis-tagged  Mol. Weight  36.2kDa  Protein Description  Partial	Gene Names	CD1C
4°C for up to one week.  Tag Info  N-terminal 6xHis-tagged  Mol. Weight  36.2kDa  Protein Description  Partial	Expression Region	18-302aa
Mol. Weight 36.2kDa  Protein Description Partial	Notes	
Protein Description Partial	Tag Info	N-terminal 6xHis-tagged
	Mol. Weight	36.2kDa
Image	<b>Protein Description</b>	Partial
	Image	

**CUSABIO**® Your good partner in biology research



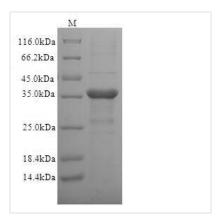
## **CUSABIO TECHNOLOGY LLC**

Tel: +1-301-363-4651 

☐ Email: cusabio@cusabio.com ☐ Website: www.cusabio.com ☐







(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## **Description**

The gene encoding the Human CD1C protein (18-302aa) is incorporated into a plasmid vector to generate recombinant plasmid, which is then introduced into e.coli cells. The e.coli cells containing the recombinant plasmid are selected and cultured under conditions that stimulate the expression of the gene of interest. A N-terminal 6xHis tag is attached to the protein. After expression, affinity purification is employed to isolate and purify the recombinant Human CD1C protein from the cell lysate. Denaturing SDS-PAGE is utilized to resolve the resulting recombinant Human CD1C protein, revealing a purity level exceeding 90%.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.