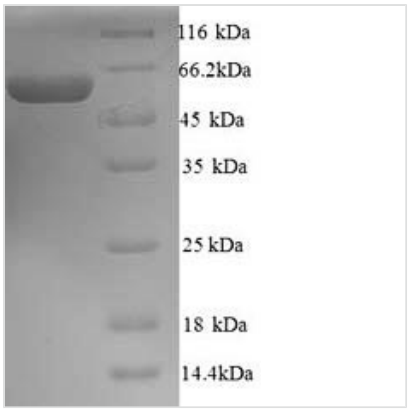
Recombinant Human Melanoma antigen preferentially expressed in tumors (PRAME)

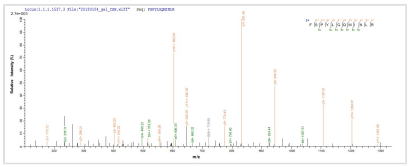
Product Code	CSB-YP018603HU
Relevance	Functions as a transcriptional repressor, inhibiting the signaling of retinoic acid through the retinoic acid receptors RARA, RARB and RARG. Prevents retinoic acid-induced cell proliferation arrest, differentiation and apoptosis.
Storage	The shelf life is related 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.
Uniprot No.	P78395
Alias	Opa-interacting protein 4 ;OIP-4Preferentially expressed antigen of melanoma
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MERRRLWGSIQSRYISMSVWTSPRRLVELAGQSLLKDEALAIAALELLPRELFP PLFMAAFDGRHSQTLKAMVQAWPFTCLPLGVLMKGQHLHLETFKAVLDGLDV LLAQEVRPRRWKLQVLDLRKNSHQDFWTVWSGNRASLYSFPEPEAAQPMTK KRKVDGLSTEAEQPFIPVEVLVDLFLKEGACDELFSYLIEKVKRKKNVLRLCCK KLKIFAMPMQDIKMILKMVQLDSIEDLEVTCTWKLPTLAKFSPYLGQMINLRRLL LSHIHASSYISPEKEEQYIAQFTSQFLSLQCLQALYVDSLFFLRGRLDQLLRHVM NPLETLSITNCRLSEGDVMHLSQSPSVSQLSVLSLSGVMLTDVSPEPLQALLER ASATLQDLVFDECGITDDQLLALLPSLSHCSQLTTLSFYGNSISISALQSLLQHLI GLSNLTHVLYPVPLESYEDIHGTLHLERLAYLHARLRELLCELGRPSMVWLSAN PCPHCGDRTFYDPEPILCPCFMPN
Lead Time	3-7 business days
Research Area	Apoptosis
Source	Yeast
Gene Names	PRAME
Protein Names	Recommended name: Melanoma antigen preferentially expressed in tumors Alternative name(s): Opa-interacting protein 4 Short name= OIP-4 Preferentially expressed antigen of melanoma
Expression Region	1-509aa
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	59.9kDa

Protein Description Full Length

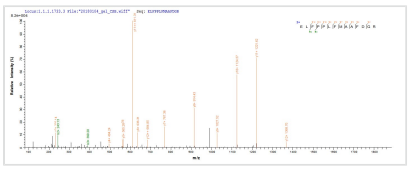
Image



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



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP018603HU could indicate that this peptide derived from Yeast-expressed Homo sapiens (Human) PRAME.



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Description

To achieve the expression of the recombinant Human PRAME protein in Yeast cells, a DNA fragment encoding the Human PRAME protein (1-509aa) is inserted into a plasmid vector, which is then transferred to Yeast cells. After screening positive cells, they are cultured and induced to generate the PRAME protein. A N-terminal 6xHis tag is attached to the protein. Cells are lysed to collect the recombinant Human PRAME protein, which is purified through affinity purification and then identified using SDS-PAGE and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the obtained recombinant Human PRAME protein is over 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.