

## Recombinant Human SLAMF7 protein, His-tagged

**Cat. No.** SLAMF7-200H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SLAMF7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
<b>Description</b>	SLAMF7, also known as SLAM family member 7, is a single-pass type 1 membrane protein and a member of the CS2 family of cell surface receptors. Isoform 1 of this protein mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. It may play a role in lymphocyte adhesion. SLAMF7 can exert activating or inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins.
<b>Source</b>	Insect cell
<b>Species</b>	Human
<b>Tag</b>	His
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
<b>Molecular Mass</b>	23.4kDa (212aa)28-40KDa (SDS-PAGE under reducing conditions.)
<b>AA Sequence</b>	SGPVKELVGS VGGAVTFPLK SKVKQVDSIV WTFNTTPLVT IQPEGGTIIV TQNRNRERVD FPDGGYSLKL SKLKKNDSGI YYVGIYSSSL QQPSTQEYVL HVEYHLSKPK VTMGLQSNKN GTCVTNLTCC MEHGEEDVIY TWKALGQAAN ESHNGSILPI SWRWGESDMT FICVARNPVS RNFS SPILAR KLCEGAADDP DSSMLEHHHH HH

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<b>Endotoxin</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Purity</b>	> 95% by SDS – PAGE
<b>Storage</b>	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5mg/ml (determined by Absorbance at 280nm)

## GENE INFORMATION

<b>Gene Name</b>	SLAMF7 SLAM family member 7 [ Homo sapiens ]
<b>Official Symbol</b>	SLAMF7
<b>Synonyms</b>	SLAMF7; SLAM family member 7; 19A; CD319; CRACC; CS1; protein 19A; CD2 subset 1; 19A24 protein; membrane protein FOAP-12; CD2-like receptor activating cytotoxic cells; CD2-like receptor-activating cytotoxic cells; novel LY9 (lymphocyte antigen 9) like protein;
<b>Gene ID</b>	57823
<b>mRNA Refseq</b>	NM_021181
<b>Protein Refseq</b>	NP_067004
<b>MIM</b>	606625
<b>UniProt ID</b>	Q9NQ25

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<b>Chromosome Location</b>	1q23.1-q24.1
<b>Function</b>	receptor activity;