

Recombinant Human SLAMF7 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human SLAMF7, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	23.4kDa (212aa)28-40KDa (SDS-PAGE under reducing conditions.)
AA Sequence	SGPVKELVGS VGGAVTFPLK SKVKQVDSIV WTFNTTPLVT IQPEGGTIIV TQNRNRERVD FPDGGYSLKL SKLKKNDSGI YYVGIYSSSL QQPSTQEYVL HVEHLSKPK VTMGLQSNKN GTCVTNLTCC MEHGEEDVIY TWKALGQAAN ESHNGSILPI SWRWGESDMT FICVARNPVS RNFFSPILAR KLCEGAADDP DSSMLEHHHH HH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)

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Purity	> 95% by SDS – PAGE
Storage	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.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)
GENE INFORMATION	
Gene Name	SLAMF7 SLAM family member 7 [Homo sapiens]
Official Symbol	SLAMF7
Synonyms	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;
Gene ID	57823
mRNA Refseq	NM_021181
Protein Refseq	NP_067004
MIM	606625
UniProt ID	Q9NQ25
Chromosome Location	1q23.1-q24.1

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Function

receptor activity;

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