

Recombinant Human SLAMF1, His-tagged

Cat. No. SLAMF1-7101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SLAMF1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	21-237aa
Description	SLAMF1 belongs to the immunoglobulin gene superfamily and is involved in T-cell stimulation. This protein is constitutively expressed on peripheral blood memory T cells, T-cell clones, immature thymocytes, and a proportion of B cells, and is rapidly induced on naive T cells after activation. High-affinity for self-ligand is important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	26.7kDa (240aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN KSIHIVTMA KSELSVENK IVSLDPSEAGPPRYLGDRYK

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FYLENLTLGI RESRKEDEGW YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK
VLNKTQENG CTILIGCTVE KGDHVAYSWS EKAGTHPLNP ANSSHLLSLT
LGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name [SLAMF1 signaling lymphocytic activation molecule family member 1 \[Homo sapiens \]](#)

Official Symbol SLAMF1

Synonyms SLAMF1; signaling lymphocytic activation molecule family member 1; signaling lymphocytic activation molecule , SLAM; signaling lymphocytic activation molecule; CD150; IPO-3; SLAM; CDw150;

Gene ID [6504](#)

mRNA Refseq [NM_003037](#)

Protein Refseq [NP_003028](#)

MIM [603492](#)

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UniProt ID	Q13291
Chromosome Location	1q23.3
Pathway	Measles, organism-specific biosystem; Measles, conserved biosystem;
Function	antigen binding; receptor activity; transmembrane signaling receptor activity;

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