

# Recombinant human SLAM/CD150 protein

Catalog Number: ATGP1883

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

21-237aa

### UniProt No.

Q13291

### NCBI Accession No.

NP\_003028

### Alternative Names

signaling lymphocytic activation molecule precursor, CD150, CDw150, SLAM

## PRODUCT SPECIFICATION

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### Molecular Weight

26.7 kDa (240aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### 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) -

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dependent signal transduction operates. Recombinant human SLAMF1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

## Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN KSIHIVVTMA KLENSVENK  
IVSLDPSEAG PPRYLGDYK FYLENLTLGI RESRKEDEGW YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK VLNKTQENGT  
CTLILGCTVE KGDHVAYSWS EKAGTHPLNP ANSSHLLSLT LGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP

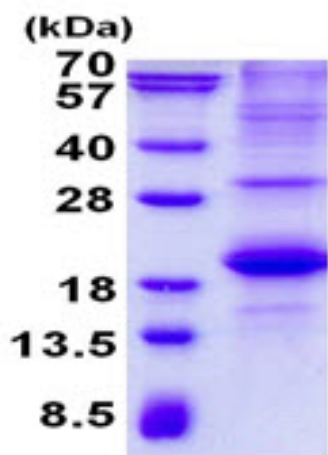
## General References

Frecha,C., et al. (2011) J. Virol. 85 (12), 5975-5985

Jordan,M.A., et al. (2011) . Immunol. 186 (7), 3953-3965

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)