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# Recombinant human SLAM/CD150 protein

Catalog Number: ATGP1883

#### PRODUCT INFORMATION

### **Expression system**

E.coli

#### **Domain**

21-237aa

#### UniProt No.

013291

#### **NCBI Accession No.**

NP 003028

#### **Alternative Names**

signaling lymphocytic activation molecule precursor, CD150, CDw150, SLAM

### **PRODUCT SPECIFICATION**

#### **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**

#### **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**

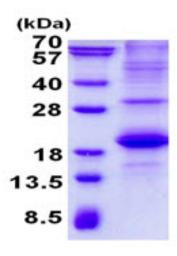
MGSSHHHHHH SSGLVPRGSH MGSASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN KSIHIVVTMA KSLENSVENK IVSLDPSEAG PPRYLGDRYK FYLENLTLGI RESRKEDEGW YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK VLNKTQENGT CTLILGCTVE KGDHVAYSWS EKAGTHPLNP ANSSHLLSLT LGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP

#### **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**



15% SDS-PAGE (3ug)

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

