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## Product Data Sheet

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Product Name: SLAMF1 Human  
 Cat. No.: GP24601  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Signaling lymphocytic activation molecule; CDw150; IPO-3; CD150; SLAMF1; SLAM.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSASYGTGG RMMNCPKILR QLGSKVLLPL TYERINKSMN KSIHIVVTMA KLENSVENK IVSLDPSEAG PPRYLGDYK FYLENLTLGI RESRKEDEGW YLMTLEKNVS VQRFCLQLRL YEQVSTPEIK VLNKTQENGT CTLILGCTVE KGDHVAYSWS EKAGTHPLNP ANSSHLLSLT LGPQHADNIY ICTVSNPISN NSQTFSPWPG CRTDPSETKP.		
Formulation	SLAMF1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

### Introduction

SLAMF1 is a member of the immunoglobulin gene superfamily and is involved in T-cell stimulation. The SLAMF1 protein is constitutively expressed on peripheral blood memory T cells, T-cell clones, immature thymocytes, and a fraction of B cells, and is swiftly induced on naive T cells after activation. There are probably 2 modes of SLAM signaling: one in which the inhibitor SH2D1A serves as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction functions.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SLAMF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 240 amino acids (21-237 a.a) and having a molecular mass

**Caution: Product has not been fully validated for medical applications. For research use only.**

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of 26.7kDa.SLAMF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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