
Product Data Sheet

Product Name: SLAMF7 Human
 Cat. No.: GP24605
 Batch No.: 1

Product Data

| | | | |
|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Sf9,Baculovirus cells. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | SLAMF7;SLAM Family Member 7; CD2-Like Receptor-Activating Cytotoxic Cells; Membrane Protein FOAP-12; CD2Subset 1; Protein 19A; CRACC; CS1; Novel LY9(Lymphocyte Antigen 9) Like Protein; CD2-Like Receptor Activating CytotoxicCells; 19A24 Protein; CD319 Antigen; Novel Ly9; CD319; 19A. | | |
| Amino Acid Sequence | SGPVKELVGS VGGAVTFPLK SKVKQVDSIV WTFNTTPLVT IQPEGGTIIVTQNRNRERVD FPDGGYSLKL SKLKKNDSTGI YYVGIYSSSL QQPSTQEYVL HVYEHLSPKPK VTMGLQSNKNGTCVTNLTCC MEHGEEVDIY TWKALGQAAN ESHNGSILPI SWRWGESDMT FICVARNPVS RNFSSPILAR KLCEGAADDPDSSMLEHHHH HH. | | |
| Formulation | SLAMF7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. | | |

Introduction

SLAMF7 belongs to the CS2 family of cell surface receptors. SLAMF7 is a single-pass type 1 membrane protein, SLAMF7 Isoform 1 mediates NK cell activation via a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. SLAMF7 functions in lymphocyte adhesion. Furthermore, SLAMF7 can exert activating or inhibitory influences on cells of the immune system depending on cellular context as well as the availability of effector proteins.

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Background

SLAMF7 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 212 amino acids (23-226a.a.) and having a molecular mass of 23.4kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). SLAMF7 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA