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## Datasheet for ABIN7319306 SLAMF7 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	SLAMF7
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLAMF7 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human SLAMF7/CD319 Protein (His Tag)
Sequence:	Ser23-Ser225
Characteristics:	Recombinant Human SLAM Family Member 7 is produced by our Mammalian expression system and the target gene encoding Ser23-Ser225 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SLAMF7
Alternative Name:	SLAMF7/CD319 ( <a href="#">SLAMF7 Products</a> )
Background:	Background: SLAMF7 is a single-pass type I membrane protein and contains 1 Ig-like C2-type (immunoglobulin-like) domain. SLAMF7 is expressed in NK cells, activated B-cells, NK-cell line

## Target Details

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but not in promyelocytic, B-cell lines, or T-cell lines. Although the cytoplasmic domain of CS1 contains immunoreceptor tyrosine-based switch motifs (ITSM), which enables to recruit signaling lymphocyte activation molecule (SLAM)-associated protein (SAP/SH2D1A), it activates NK cells in the absence of a functional SAP. SLAMF7 positively regulated natural killer cell functions by a mechanism dependent on the adaptor EAT-2 but not the related adaptor SAP. However, in the absence of EAT-2, CRACC potently inhibited natural killer cell function. It was also inhibitory in T cells, which are typically devoid of EAT-2. Thus, SLAMF7 can exert activating or inhibitory influences on cells of the immune system depending on cellular context and the availability of effector proteins.

Synonym: SLAM Family Member 7, CD2 Subset 1, CD2-Like Receptor-Activating Cytotoxic Cells, CRACC, Membrane Protein FOAP-12, Novel Ly9, Protein 19A, CD319, SLAMF7, CS1,SLAM7

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Molecular Weight: 23.3 kDa

UniProt: [Q9NQ25](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.