



### Synonym

SLAMF7,CD319,CS1,CRACC,19A,FOAP-12

### Source

Rhesus macaque SLAMF7, His Tag(SL7-R52H7) is expressed from human 293 cells (HEK293). It contains AA Ser 23 - Met 226 (Accession #

[XP\\_001117618.2](#)).

Predicted N-terminus: Ser 23

### Molecular Characterization

SLAMF7(Ser 23 - Met 226)  
 XP\_001117618.2 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 24.4 kDa. The protein migrates as 35-46 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

### Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

### Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

### Storage

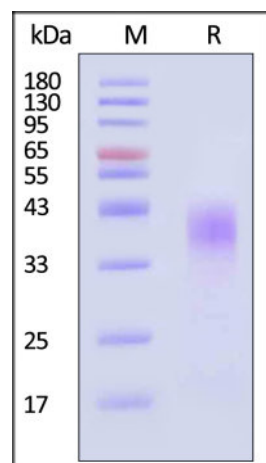
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

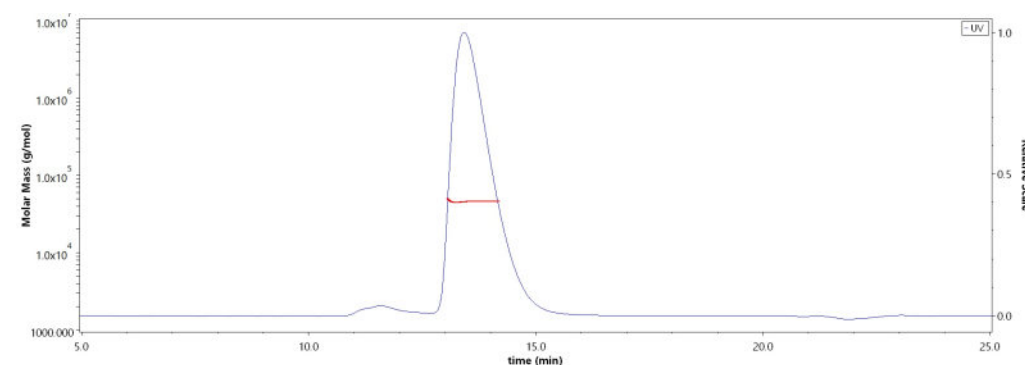
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### SDS-PAGE



Rhesus macaque SLAMF7, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

### SEC-MALS



The purity of Rhesus macaque SLAMF7, His Tag (Cat. No. SL7-R52H7) is more than 90% and the molecular weight of this protein is around 40-50 kDa verified by SEC-MALS.

[Report](#)

### Background

SLAM family member 7 (SLAMF7) is also known as CD2-like receptor-activating cytotoxic cells (CRACC), Membrane protein FOAP-12, CD antigen CD319, Novel Ly9, Protein 19A, which is a single-pass type I membrane protein and a member of the CD2 family of cell surface receptors. SLAMF7 is expressed in spleen,

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lymph node, peripheral blood leukocytes, bone marrow, small intestine, stomach, appendix, lung and trachea. Isoform 1 of SLAMF7 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway. May play a role in lymphocyte adhesion. Isoform 3 of SLAMF7 does not mediate any NK cell activation.

**Clinical and Translational Updates**

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