

**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)	Poly-his
XP_001117618.2	

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.

EndotoxinLess than 1.0 EU per μ g by the LAL method / rFC method.**Purity**

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

FormulationLyophilized from 0.22 μ m 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.

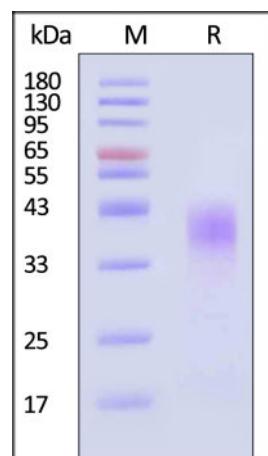
Storage

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

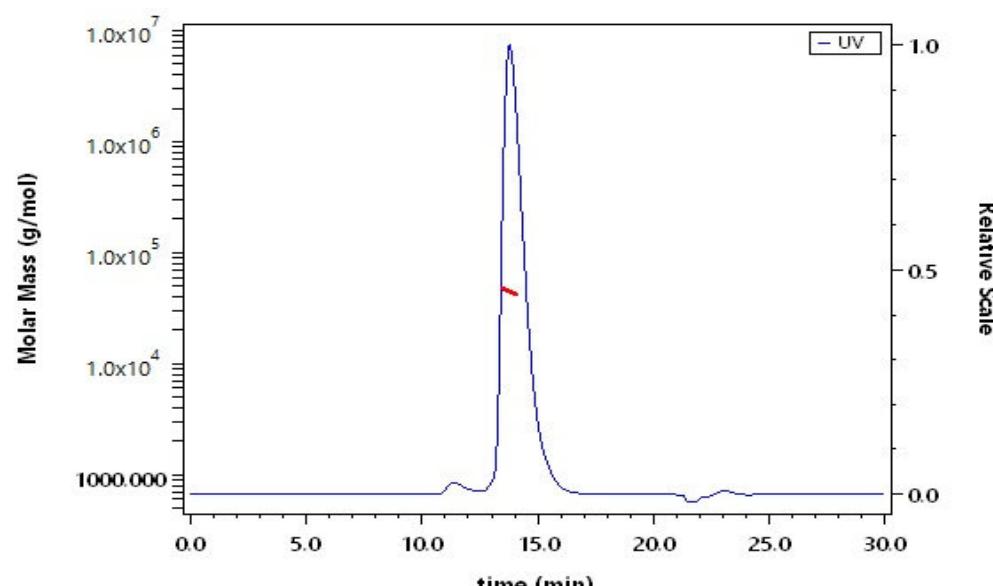
Please avoid repeated freeze-thaw cycles.

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 95% and the molecular weight of this protein is around 40-50 kDa verified by SEC-MALS.

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**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, 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.

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