

# Recombinant Human SLAMF7/CRACC/CD319 Protein

Catalog No.: RP00309 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human	57823	Q9NQ25-1

### Tags

C-hFc

### Synonyms

CD2 subset 1; CRACC; Novel Ly9; CD319; SLAMF7; CS1; 19A; FOAP-12

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

<b>Calculated MW</b>	<b>Observed MW</b>
49.2 kDa	68-80 kDa

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

CD2-like receptor activating cytotoxic cells (CRACC), also known as CS1, novel Ly9, SLAMF7, and CD319, is a 65-75 kDa type I transmembrane glycoprotein in the SLAM subgroup of the CD2 family. Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response.

## Basic Information

### Description

Recombinant Human SLAMF7/CRACC/CD319 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser23-Met226) of Human SLAMF7/CRACC/CD319 (Accession #Q9NQ25-1) fused with a C-hFc tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

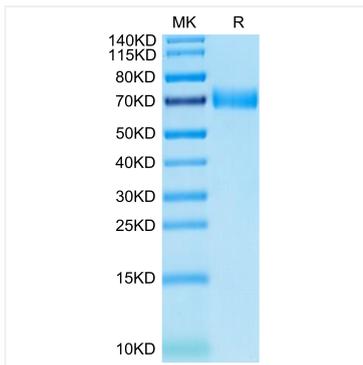
Avoid repeated freeze/thaw cycles.

### Operational Notes

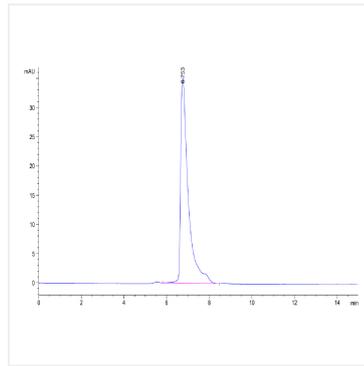
For your safety and health, please wear a lab coat and disposable gloves for handling.



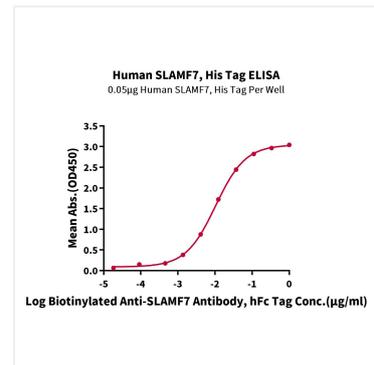
## Validation Data



Recombinant Human SLAMF7/CRACC/CD319 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human SLAMF7 is greater than 95% as determined by SEC-HPLC.



Immobilized Human SLAMF7, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-SLAMF7 Antibody, hFc Tag with the EC<sub>50</sub> 10.4ng/mL determined by ELISA.