Recombinant Human SLAMF7/CRACC/CD319 Protein

Catalog No.: RP00305

Sequence Information

Species
Human

Gene ID
57823

Swiss Prot
Q9NQ25-1

Tags
C-His&Avi

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
25.3 kDa

Observed MW
40-55 kDa

Endotoxin
< 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

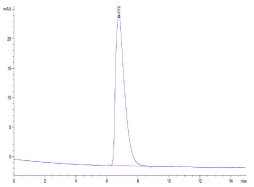
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

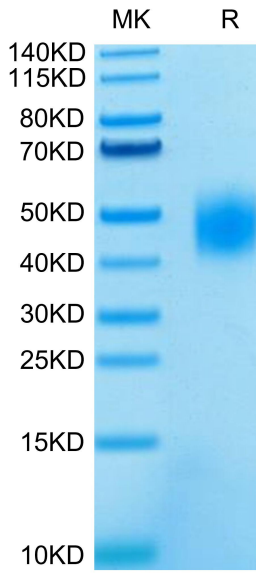
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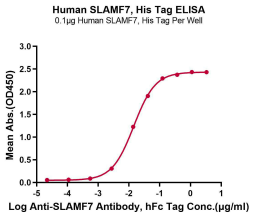
Validation Data



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



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



Immobilized Human SLAMF7, His Tag at 1 μg/mL (100 μL/well) on the plate. Dose response curve for Anti-SLAMF7 Antibody, hFc Tag with the EC_{50} of 14.3ng/mL determined by ELISA.