

# Mouse SLAMF7/CRACC/CD319 Protein

Cat. No. SMF-MM107

## Description

<b>Source</b>	Recombinant Mouse SLAMF7/CRACC/CD319 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser23-Gly224.
<b>Accession</b>	Q8BHK6-1
<b>Molecular Weight</b>	The protein has a predicted MW of 23.1 kDa. Due to glycosylation, the protein migrates to 30-50 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

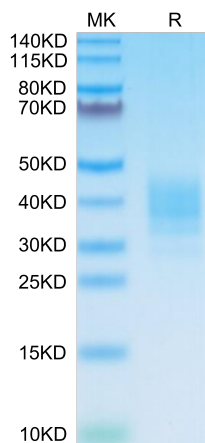
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

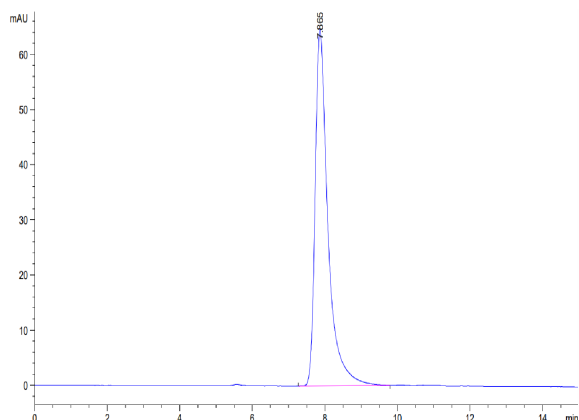
## Assay Data

### Bis-Tris PAGE



Mouse SLAMF7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



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