

RP00425

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Recombinant Human BCAM/CD239 Protein

Catalog No.: RP00425

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	4059	P50895

Tags

C-His

Synonyms

LU; MSK19; Gplu; CD239; Lutheran;

Product Information

Source

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.

Purification

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

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

Background

Lutheran/basal cell adhesion molecule (Lu/BCAM) is a transmembrane adhesion molecule expressed by erythrocytes and endothelial cells that can interact with the extracellular matrix protein laminin-α5. In sickle cell disease, Lu/BCAM is thought to contribute to adhesion of sickle erythrocytes to the vascular wall, especially during vaso-occlusive crises.

Basic Information

Description

Recombinant Human BCAM/CD239 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu32-Ala547) of Human BCAM/CD239 (Accession #P50895) fused with a C-His tag at the C-terminus.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

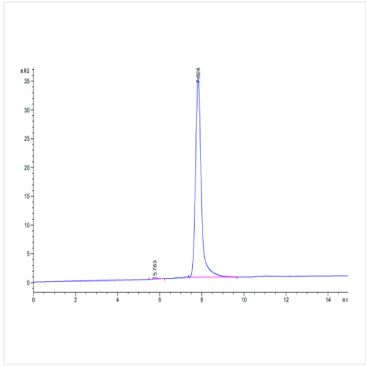
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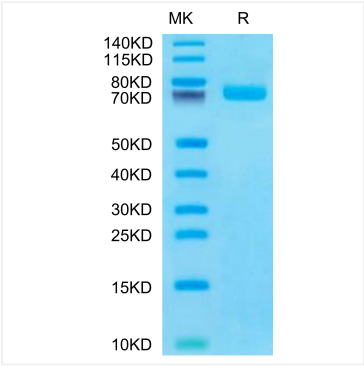


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Validation Data



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



Recombinant Human BCAM/CD239 Protein was determined by Tris-Bis PAGE under reducing conditions.