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Recombinant Human BCAM/CD239 Protein

Catalog No.: RP00425 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	4059	P50895

Tags
C-His

Synonyms
LU; MSK19; Gplu; CD239; Lutheran;

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE> 95% 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
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.

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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.

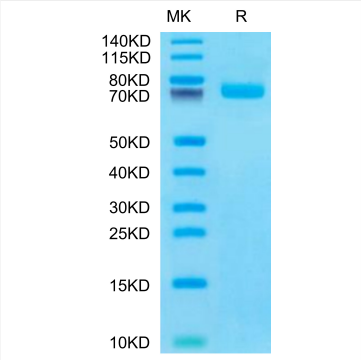
Basic Information

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.

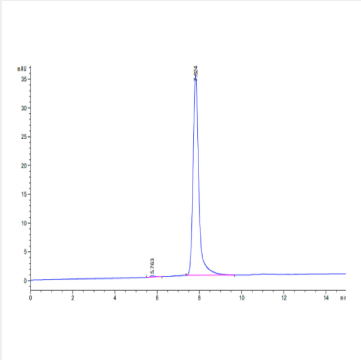
Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



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



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