

# 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

Calculated MW	Observed MW
57.32 kDa	70-80 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 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

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.

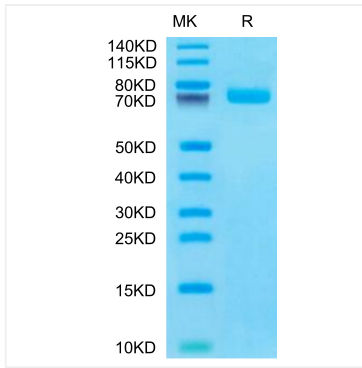
### Bio-Activity

#### Storage

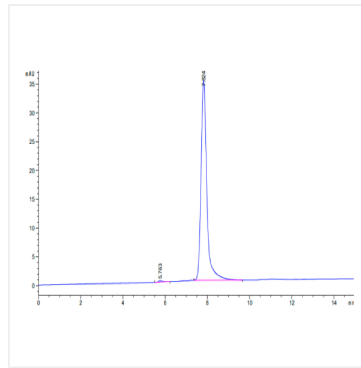
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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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.