

# Recombinant Human Junctional adhesion molecule C/JAM-3 (A149P) Protein

Catalog No.: RP00170 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	83700	Q9BX67

### Tags

C-hFc&His

### Synonyms

JAM3;JAM-2;JAM-3;JAM-C;JAMC

## Product Information

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

Calculated MW	Observed MW
50.71 kDa	60-70 kDa

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 freeze-thaw cycles.

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. Unlike other proteins in this family, the protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. The encoded protein is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family. A mutation in an intron of this gene is associated with hemorrhagic destruction of the brain, subependymal calcification, and congenital cataracts. Alternative splicing results in multiple transcript variants.

## Basic Information

### Description

Recombinant Human Junctional adhesion molecule C/JAM-3 (A149P) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val32-Asn241 (Ala149Pro)) of human JAM3/JAM-C (Accession #NP\_116190.3) fused with an Fc, 6×His tag at the C-terminus.

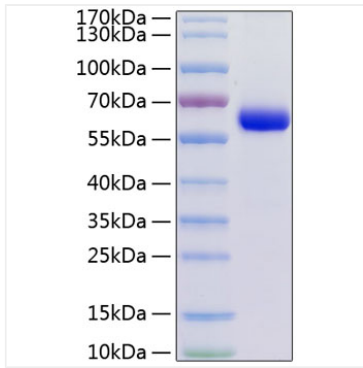
### Bio-Activity

### Storage

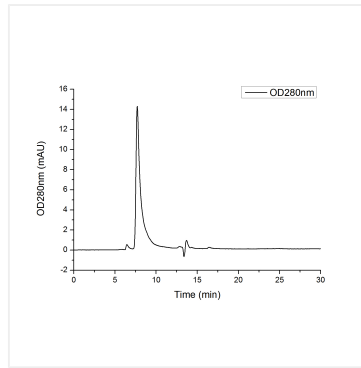
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human JAM-3(A149P) Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60-70 kDa.



The purity of Human JAM3/JAM-C Protein (Cat.RP00170) was greater than 95% as determined by SEC-HPLC.