

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

Catalog No.: RP00170

Sequence Information

Species	Gene ID
Human	83700
Swiss Prot	Tags
Q9BX67	C-hFc&His

Synonyms

JAM3,JAM-2,JAM-3,JAM-C,JAMC

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥95 % as determined by HPLC.

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 free-thaw cycles.

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 this 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.

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.

Storage

Store at -20°C

Operational Notes

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

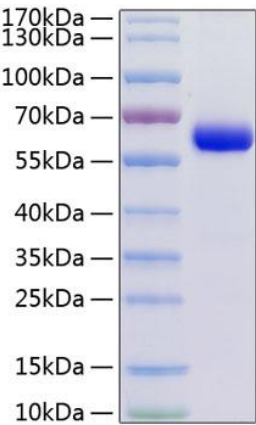
Contact

☎ | 400-999-6126

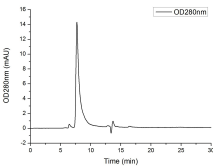
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Validation Data



Recombinant Human Junctional adhesion molecule C/JAM-3 (A149P) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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