

RP00170

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Recombinant Human 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

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.

Product Information

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

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.

Basic Information

Description

Recombinant Human 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, 6xHis tag at the C-terminus.

Bio-Activity

Storage

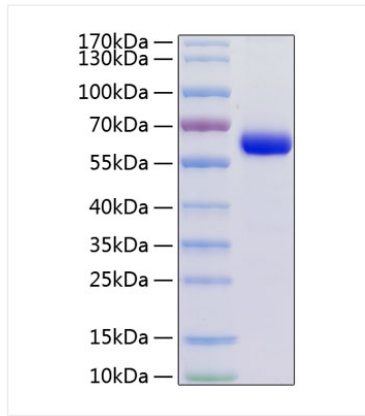
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

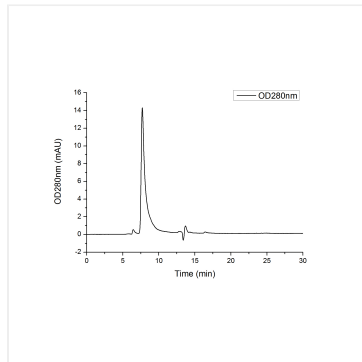


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Validation Data



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.