Recombinant Human JAM3 Protein, His&GST-tagged

Cat. No. JAM3-1707H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JAM3 Protein (Val32-Val309) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val32-Val309
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 61 kDa Accurate Molecular Mass: 61 kDa

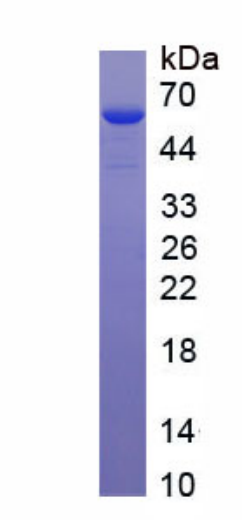
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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	JAM3 junctional adhesion molecule 3 [Homo sapiens (human)]
Official Symbol	JAM3
Synonyms	JAM3; junctional adhesion molecule 3; junctional adhesion molecule C; JAM C; JAMC; JAM-2; JAM-3; JAM-C; FLJ14529;
Gene ID	83700
mRNA Refseq	NM_001205329

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Protein Refseq	NP_001192258
MIM	606871
UniProt ID	Q9BX67
	

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