

Recombinant Human JAM3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. JAM3-6258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	JAM3 MS Standard C13 and N15-labeled recombinant protein (NP_116190) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	36.5 kDa
AA Sequence	MVPARLGPAVAMVTGAGRRVLGWAHARGDYKPRRAAAGPSATLDMALRRPPRL RLCARLPDFFLLLLFRGCLIGAVNLKSSNRTPVVQEFESVELSCIITDSQTS DPRIEWK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

KIQDEQTTYVFFDNKIQGDLAGRAEILGKTSLSKIWNVTRRDSALYRCEVVARNDRKEI
 DEIVIELTVQVKPVPVCRVPKAVPVGKMATLHCQESEGHPRPHYSWYRNDVPLPT
 DSRANPRFRNSSFHLNSETGTLVFTAVHKDDSGQYYCIASNDAGSARCEEQEMEVY
 DLNIGGIIGGVLVVLAVLALITLGICCAYYRRGYFINNKQDGESYKNPGKPDGVNYIRTD
 EEGDFRHKSSFVITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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_032801

Protein Refseq NP_116190

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MIM 606871

UniProt ID Q9BX67

SDS-PAGE



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