

Product datasheet for PH316073

Junctional Adhesion Molecule C (JAM3) (NM_032801) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	JAM3 MS Standard C13 and N15-labeled recombinant protein (NP_116190)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216073
Predicted MW:	36.5 kDa
Protein Sequence:	>RC216073 representing NM_032801 Red=Cloning site Green=Tags(s) MVPARLGPAVAMVTGAGRRVLAGWAHARGDYKPRRAAAGPSATLDMALRRPPRLRLCARLPDFLLLLFR GCLIGAVNLKSSNRTPVVQEFESVELSCIITDSQTSDPRIEWKKIQDEQTTYVFFDNKIQGDLAGRAEIL GKTSLKIWNVTRRDSALYRCEVVARNDRKEIDEIVIELTVQVKPVPVCRVPKAVPVGKMATLHCQESEG HPRPHYSWYRNDVPLPTDSRANPRFRNSSFHLNSETGTLVFTAVHKDDSGQYYCIASNDAGSARCEEQEM EYVDLNIIGGIIGGVLVLAVALLITLGICCAYYRRGYFINNKQDGESYKNPGKPDGVNYIRTDEEGDFRHK SSFVI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_116190</u>
RefSeq Size:	3675
RefSeq ORF:	1065
Synonyms:	JAM-2; JAM-3; JAM-C; JAMC
Locus ID:	83700



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UniProt ID: [Q9BX67](#)

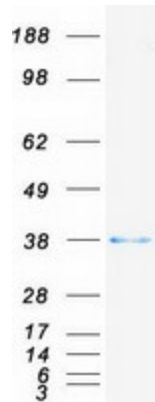
Cytogenetics: 11q25

Summary: 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.[provided by RefSeq, Apr 2011]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Epithelial cell signaling in Helicobacter pylori infection, Leukocyte transendothelial migration, Tight junction

Product images:



Coomassie blue staining of purified JAM3 protein (Cat# [TP316073]). The protein was produced from HEK293T cells transfected with JAM3 cDNA clone (Cat# [RC216073]) using MegaTran 2.0 (Cat# [TT210002]).