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Product datasheet for PH300004

Junctional Adhesion Molecule 1 (F11R) (NM_144504) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	F11R MS Standard C13 and N15-labeled recombinant protein (NP_653087)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200004
Predicted MW:	32.6 kDa
Protein Sequence:	>RC200004 protein sequence Red=Cloning site Green=Tags(s) MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSPRVEWKFDQGDTT RLVCYNNKITASYEDRVTFLPTGITFKSVTREDTGTYTCMVSEEGGNSYGEVKVKLIVLVPPSKPTVNIP SSATIGNRAVLTCSEQDGSPPSEYTWFKDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEY SCEARNGYGTPMTSNAVRMEAVERNVGVIVAAVLVTLILLGILVFGIWFAYSRGHFDRTKKGTSSKKVIY SQPSARSEGEFKQTSSFLV 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_653087
RefSeq Size:	3794
RefSeq ORF:	897
Synonyms:	JAM, KAT, JAM1, JAMA, JCAM, CD321, JAM-1, JAM-A, PAM-1
Locus ID:	50848

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UniProt ID: Q9Y624

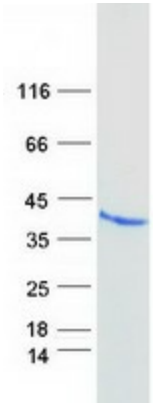
Cytogenetics: 1q23.3

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 an important regulator of tight junction assembly in epithelia. In addition, the encoded protein can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor. Multiple 5' alternatively spliced variants, encoding the same protein, have been identified but their biological validity has not been established. [provided by RefSeq, Jul 2008]

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 F11R protein (Cat# [TP300004]). The protein was produced from HEK293T cells transfected with F11R cDNA clone (Cat# [RC200004]) using MegaTran 2.0 (Cat# [TT210002]).