

Product datasheet for **AR50380PU-S**

CD321 / JAM1 (26-238, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CD321 / JAM1 (26-238, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHTMLGSVT VHSSEPEVRI PENNPVKLSC AYSGFSSPRV EWKFDQGDTT RLVCYNNKIT ASYEDRVTFI PTGITFKSVT REDTGTYTTCM VSEEGGNSYG EVKVKLIVLV PPSKPTVNIP SSATIGNRAV LTCSEQDGP PSEYTWFKDG IVMPTNPKST RAFSNSSYVL NPTTGELVFD PLSASDTGEY SCEARNGYGT PMTSNAVRME AVERNUGV
Tag:	His-tag
Predicted MW:	25.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human F11R protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001335020
Locus ID:	50848
UniProt ID:	Q9Y624
Cytogenetics:	1q23.3
Synonyms:	CD321; JAM; JAM1; JAMA; JCAM; KAT; PAM-1



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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: