

## F11R Human

**Description:** F11R Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (26-238 a.a) and having a molecular mass of 25.8kDa. F11R is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1119

For research use only.

**Synonyms:** Junctional adhesion molecule A, JAM-A, Junctional adhesion molecule 1, JAM-1, Platelet F11 receptor, Platelet adhesion molecule 1, PAM-1, CD321, F11R, JAM1, JCAM, JAM, KAT, JAMA.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMLGSVT VHSSEPEVRI  
PENNPVKLSC AYSGFSSPRV EWKFDQDGT RLVCYNNKIT ASYEDRVTF LPTGITFKSVT  
REDTGTTCM VSEEGNSYG EVKVKLIVLV PPSKPTVNIP SSATIGNRAV LTCSEQDGSP  
PSEYTWFKDG IVMPTNPKSTRAFSNSSYVL NPTTGELVFD PLSASDTGEY SCEARNGYGT  
PMTSNAVRME AVE

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

F11R protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM DTT.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

F11R (CD321) is a member of the immunoglobulin superfamily. F11R has a role in epithelial tight junction formation. Tight junctions exemplify one type of cell-to-cell adhesion in epithelial or endothelial cell sheets, establishing continuous seals around cells and acting as a physical barrier to thwart solutes and water from passing easily through the paracellular space. F11R protein can function as a receptor for reovirus, or as a ligand for the integrin LFA1, involved in leukocyte transmigration, or a platelet receptor.

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