

Recombinant Human F11 Receptor, His-tagged

Cat. No. F11R-6785H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanF11R protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques
Species	Human
Source	E.coli
Description	F11R, also known asCD321, belongs to the immunoglobulin superfamily. It seems to plays a role inepithelial tight junction formation. Tight junctions represent one mode ofcell-to-cell adhesion in epithelial or endothelial cell sheets, formingcontinuous seals around cells and serving as a physical barrier to preventsolutes and water from passing freely through the paracellular space. F11Rprotein can act as (1) a receptor for reovirus, (2) a ligand for the integrinLFA1, involved in leukocyte transmigration, and (3) a platelet receptor
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl,1mM DTT
Molecular Weight	25.8kDa (238aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	1 mg/ml (determinedby BCA assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSFMLGSGVT VHSSEPEVRI PENNPVKLSC AYSGFSSPRV EWKFDQGD TT RLVCYNNKITASYEDRVTLPTGITFKSVT

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REDTGTYTCM VSEEGGNSYG EVKVKLIVLV PPSKPTVNIP
 SSATIGNRAVLTCSEQDGSP PSEYTWFKDG IVMPTNPKSTRAFSNSSYVL
 NPTTGELVFD PLSASDTGEY SCEARNGYGTPMTSNAVRME AVERNVG

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Pathways

Cell adhesion molecules (CAMs); Epithelial cell signaling in Helicobacter pylori infection; Leukocyte transendothelial migration; Tight junction; Cell-cell adhesion systems; Hemostasis; Integrin cell surface interactions; Signaling in Immune system

GENE INFORMATION

Gene Name

F11RF11 receptor [Homo sapiens]

Official Symbol

F11R

Synonyms

F11R; F11 receptor; JAM; KAT; JAM1; JAMA; JCAM; CD321; PAM-1; junctional adhesion molecule 1; Junctional adhesion molecule A; JAM-A; Junctional adhesion molecule 1; Platelet adhesion molecule 1; JAM-1; OTTHUMP00000027880; Platelet F11 receptor; OTTHUMP00000027881; CD321 antigen

Gene ID

50848

mRNA Refseq

NM_016946

Protein Refseq

NP_058642

MIM

605721

UniProt ID

Q9Y624

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**Chromosome
Location** 1q21.2-q21.3

Function Protein binding

**PDB rendering based
on 1nbq.**

