## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

26-238aa

UniProt No.
Q9Y624
NCBI Accession No.
NP_058642

## Alternative Names

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

## PRODUCT SPECIFICATION

## Molecular Weight

25.8 kDa (238aa) confirmed by MALDI-TOF

## Concentration

$1 \mathrm{mg} / \mathrm{ml}$ (determined by BCA assay)

## Formulation

Liquid in. 20 mM Tris- HCl buffer (pH 8.0) containing $10 \%$ glycerol $0.15 \mathrm{M} \mathrm{NaCl}, 1 \mathrm{mM}$ DTT

## Purity

> 90\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

Can be stored at +2 C to +8 C for 1 week. For long term storage, aliquot and store at -20 C to -80 C . Avoid repeated freezing and thawing cycles.

## BACKGROUND

## Description

F11R, also known as CD321, belongs to the immunoglobulin superfamily. It seems to plays a role in epithelial tight junction formation. 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. F11R 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. Recombinant

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## Recombinant human JAM-A/F11R protein

Catalog Number: ATGP1556
human F11R protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMLGSVT VHSSEPEVRI PENNPVKLSC AYSGFSSPRV EWKFDQGDTT RLVCYNNKIT ASYEDRVTFL PTGITFKSVT REDTGTYTCM VSEEGGNSYG EVKVKLIVLV PPSKPTVNIP SSATIGNRAV LTCSEQDGSP PSEYTWFKDG IVMPTNPKST RAFSNSSYVL NPTTGELVFD PLSASDTGEY SCEARNGYGT PMTSNAVRME AVERNVGV

## General References

Murakami,M., et al. (2011) PLoS ONE 6 (6), E21242

DATA


3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

