Recombinant human JAM-A/F11R protein

Catalog Number: ATGP1556

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
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.15M NaCl,1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. 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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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

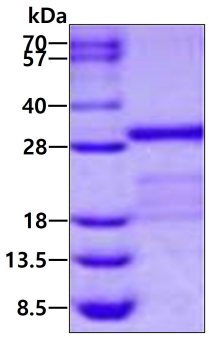
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General References

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

DATA

SDS-PAGE



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