

Datasheet for ABIN7317970  
**F11R Protein (His tag)**



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## Overview

Quantity:	100 µg
Target:	F11R
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This F11R protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human JAM-A/F11R Protein (His Tag)(Active)
Sequence:	Met 1-Ala 242
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ala 242) of human JAM-A (NP_058642.1) precursor was expressed with a polyhistidine tag at the C-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8 x 10 <sup>4</sup> cells/well are added to JAM-A-Fc coated plates (2.5 µg/mL, 100 µL/well) in the presence of 20 ng/mL PMA, approximately 30-40% will adhere after 30 minutes at 37°C.

## Target Details

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Target: F11R

Alternative Name: JAM-A/F11R ([F11R Products](#))

Background: Junctional adhesion molecule-A (JAM-A), also known as F11 receptor (F11R) or Cluster of Differentiation 321 (CD321), is a transmembrane protein expressed at tight junctions of epithelial and endothelial cells, as well as on circulating leukocytes. JAM-A protein serves as a serotype-independent receptor for mammalian orthoreoviruses (reoviruses). It is also a ligand for the integrin LFA1, involves in leukocyte transmigration. As a cell adhesion molecule of the immunoglobulin superfamily, JAM-A protein involves in platelet adhesion, secretion and aggregation, and plays a crucial role in inflammatory thrombosis and atherosclerosis. In addition, it may be a potential therapeutic target for breast cancer.

Synonym: 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, JAMA, JCAM, KAT

Molecular Weight: 25 kDa

NCBI Accession: [NP\\_058642](#)

Pathways: [Cell-Cell Junction Organization](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.