



# Recombinant Protein Technical Manual

## Recombinant Rat JAM-A/F11R Protein (His Tag)

RPES0196

### Product Data:

**Product SKU:** RPES0196

**Size:** 20µg

**Species:** Rat

**Expression host:** HEK293 Cells

**Uniprot:** Q9JHY1

### Protein Information:

**Molecular Mass:** 24.3 kDa

**AP Molecular Mass:** 28 & 32 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > (23.7+75.2) % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method

**Storage:** 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.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from sterile PBS, pH 7.4

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

**Application:**

**Synonyms:** F11R;Jam1

## Immunogen Information:

**Sequence:** Met1-Gly238

## 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.