# Recombinant Mouse JAM-A/F11R Protein (Fc Tag)

**Catalog No.** PKSM040670

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

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|---|---|
| **Synonyms** | 9130004G24;AA638916;ESTM33;JAM;JAM-1;JAM-A;Jcam;Jcam1;Ly106 |
| **Species** | Mouse |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Met 1-Ala 242 |
| **Accession** | NP_766235.1 |
| **Calculated Molecular Weight** | 50.2 kDa |
| **Observed molecular weight** | 57 kDa |
| **Tag** | C-hFc |
| **Bioactivity** | Not validated for activity |

## Properties

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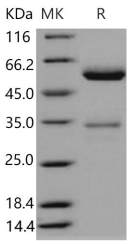
|---|---|
| **Purity** | > 94 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 94 % as determined by reducing SDS-PAGE.

## 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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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.



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