For Research Use Only

Recombinant Human JAM2 protein (rFc Tag)

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Catalog Number: Eg2914

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human JAM2 protein Phe29-Asn236 (Accession# P57087-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
58494

Accession:
P57087-1

Predicted Molecular Mass:
48.8 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ under sterile conditions after reconstitution.

Shipping:
The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Junctional adhesion molecules (JAMs) are integral membrane proteins belonging to the immunoglobulin (Ig) superfamily. JAMs are expressed by leukocytes, platelets, endothelial, and epithelial cells and localized at the tight junction of polarized cells and on the cell surface of leukocytes. JAM-2, also known as VE-JAM or JAM-B, is specifically expressed in lymphatic endothelial cells and endothelial venules. JAM2 regulates cell-cell adhesion and signaling by interacting with other tight junction proteins such as PAR-3 and ZO-1.

References

1.Ebnet, Klaus et al. Journal of cell science vol. 117,Pt 1 (2004): 19-29.
2.Garrido-Urbani, S et al. Cell and tissue research vol. 355,3 (2014): 701-15.
3.Aurrand-Lions, M et al. Blood vol. 98,13 (2001): 3699-707.
4.Ebnet, Klaus et al. Journal of cell science vol. 116,Pt 19 (2003): 3879-91.

Synonyms

Selected Validation Data