Recombinant Human JAM-A/F11R Protein (His Tag)

Catalog Number: PKSH031771

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

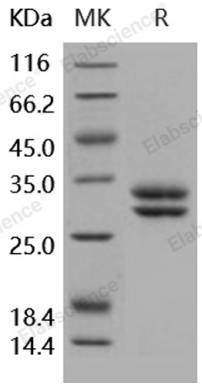
Description

Species	Human
Source	HEK293 Cells-derived Human JAM-A/F11R protein Met 1-Ala 242, with an C-terminal His
Calculated MW	25 kDa
Observed MW	28-32 kDa
Accession	NP_058642.1
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8 x 10^4cells/well are added to JAM-A-Fc coated plates (2. 5μg/mL, 100 μL/well)in the presence of 20 ng/mL PMA, approximately 30-40% will adhere after 30 minutes at 37℃.

Properties

Purity	> 97 % 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 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 97 % 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 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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