Recombinant Human JAM-B/CD322 Protein (Fc Tag)

Catalog Number: PKSH032663

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

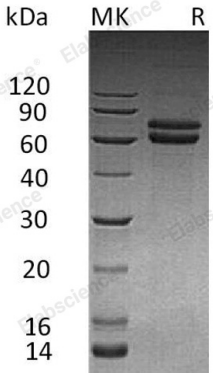
Description

Species	Human
Source	HEK293 Cells-derived Human JAM-B;CD322 protein Phe29-Asn236, with an C-terminal Fc
Calculated MW	50.4 kDa
Observed MW	60-75 kDa
Accession	P57087
Bio-activity	Not validated for activity

Properties

Purity	> 95 % 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 a 0.2 μm filtered solution of 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



> 95 % as determined by reducing SDS-PAGE.

Background

Junctional Adhesion Molecule B (JAM-B) is a single-pass type I membrane protein that belongs to the juctional adhesion molecules family. JAM-B includes a signal sequence (aa 1-28); an extracellular region (aa 29-238) with one Ig-like C2-type domain and one Ig-like V-type domain; a transmembrane segment (aa 239-259); and a cytoplasmic domain (aa 260 - 298). JAMB is localized to the tight junctions between endothelial cells or epithelial cells. JAM-B is prominently expressed in the heart; placenta; lung; foreskin and lymph node. It is also present on the endothelia of other vessels. JAM-B acts as an adhesive ligand for interacting with a variety of immune cell types and may play a role in lymphocyte homing to secondary lymphoid organs.

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