

Recombinant Human Ephrin-A5/EFNA5 protein (His tag)



Catalog Number:PDMH100084

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

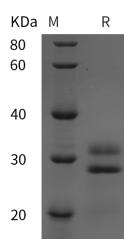
Description

Synonyms	Ephrin-A5;EPLG7;LERK7;EFNA5;LERK-7;EPH-related receptor tyrosine kinase ligand 7;AL-1
Species	Human
Expression Host	HEK293 Cells
Sequence	Met1-Asn203
Accession	P52803
Calculated Molecular Weight	32.7 kDa
Observed molecular weight	32 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, 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. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 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

Ephrin-A5 (EFNA5) belongs to the ephrin family, contains 1 ephrin RBD (ephrin receptor-binding) domain. Ephrin-A5 is a cell surface GPI-bound ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. It binds promiscuously Eph receptors residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The interaction of EFNA5 with EPHA5 also mediates communication between pancreatic islet cells to regulate glucose-stimulated insulin secretion. Cognate/functional ligand for EPHA7, their interaction regulates brain development modulating cell-cell adhesion and repulsion.

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