

Recombinant Human EphB1/EPHT2 Protein (Fc Tag)(Active)



Catalog Number:PKSH032387

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

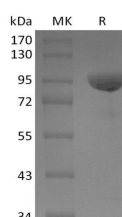
Description

Synonyms	Ephrin Type-B Receptor 1; ELK; EPH Tyrosine Kinase 2; EPH-Kike Kinase 6; EK6; hEK6; Neuronally-Expressed EPH-Related Tyrosine Kinase; NET; Tyrosine-Protein Knase Receptor EPH-2; EPHB1; ELK; EPHT2; HEK6; NET
Species	Human
Expression Host	Human Cells
Sequence	Met 18-Pro540
Accession	P54762
Calculated Molecular Weight	85.5 kDa
Observed molecular weight	85-100 kDa
Tag	C-Fc
Bioactivity	Immobilized Human EFNB1-His(Cat: PKSH032394) at 5µg/ml(100 µl/well) can bind Human EPHB1-Fc.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	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 a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

Ephrin Type-B Receptor 1 (EPHB1) is a single-pass type I membrane protein that belongs to the Ephrin-B family of receptor tyrosine kinases involved in the development of embryonic nervous and vascular systems. EPHB1 contains two fibronectin type-III domains, one protein kinase domain and one Sterile Alpha Motif (SAM) domain. EPHB1 is able to stimulate fibroblast motility on extracellular matrix in a kinase-dependent manner, which is also correlated with its association with Grb7, an adaptor molecule implicated in the regulation of cell migration. It binds to Ephrin-B1, Ephrin-B2 and Ephrin-B3. EPHB1 plays an important roles in diverse biological processes including nervous system

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development, angiogenesis, and neural synapsis formation and maturation and may be involved in cell-cell interactions in the nervous system.

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