Recombinant Human EphB2 Protein (Fc Tag)

Catalog No. PKSH032012

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

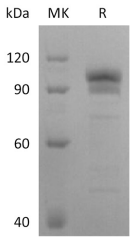
Description

Synonyms	CAPB;DRT;EK5;EPHT3;ERK;Hek5;PCBC;Tyro5;EPHB2;Ephrin type-B receptor 2
Species	Human
Expression Host	HEK293 Cells
Sequence	Val19-Ser482
Accession	Q6NVW1
Calculated Molecular Weight	78.5 kDa
Observed molecular weight	95-120 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 90 % 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% 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



> 90 % as determined by reducing SDS-PAGE.

Background

Ephrin type-B receptor 2(EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2

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contains 1 Eph LBD domain; 2 fibronectin type-III domains; 1 protein kinase domain and 1 SAM domain. Ephrin receptors and their ligands; the ephrins; mediate numerous developmental processes; particularly in the nervous system. Based on their structures and sequence relationships; ephrins are divided into the ephrin-A (EFNA) class; which are anchored to the membrane by a glycosylphosphatidylinositol linkage; and the ephrin-B (EFNB) class; which are transmembrane proteins. The Eph family of receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family.

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