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Product Datasheet

Recombinant Human EphB1 (C-Fc) EBT-EPT073

Article Name	Recombinant Human EphB1 (C-Fc)
Biozol Catalog Number	EBT-EPT073
Supplier Catalog Number	EPT073
Alternative Catalog Number	EBT-EPT073-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Ephrin Type-B Receptor 1 is produced by our Mammalian expression system and the target gene encoding Met18-Pro540 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 85.6 KDa. Apparent molecular weight: 85-100 KDa, reducing conditions
UniProt	P54762
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. 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 that is involved in embryonic nervous and vascular system development. EPHB1/EPHT2 contains two fibronectin type-III domains, one protein kinase domain and one SAM (sterile alpha motif) domain. EPHB1 could stimulate fibroblast motility on extracellular matrix in a kinase-dependent manner, which 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 development, angiogenesis, and neural synapsis formation and maturation and may be involved in cell-cell interactions in the nervous system