

Product datasheet for **TP726745**

Eph receptor B1 (EPHB1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human EphB1 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met18-Pro540
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, pH8.0.
Note:	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.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	2047
UniProt ID:	P54762
Synonyms:	Ephrin Type-B Receptor 1; ELK; EPH Tyrosine Kinase 2; EPH-Like Kinase 6; EK6; hEK6; Neuronally-Expressed EPH; Related Tyrosine Kinase; NET; Tyrosine-Protein Kinase Receptor EPH-2; EPHB1; ELK; EPHT2; HEK6
Summary:	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 $\hat{\pm}$ 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.


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Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Axon guidance