

## Product datasheet for **TP727281**

### Eph receptor B2 (EPHB2) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Ephrin B Receptor 2/EphB2 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Val19-Ser482
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Ephrin type-B receptor 2 is produced by our Mammalian expression system and the target gene encoding Val19-Ser482 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:	2048
UniProt ID:	<a href="#">P29323</a>
Synonyms:	EPHB2 protein;EPHB2;Ephrin type-B receptor 2
Summary:	Ephrin type-B receptor 2(EPHB2) belongs to the protein kinase superfamily and Ephrin receptor subfamily. EPHB2 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.
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance



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