

Product datasheet for **TP727982**

Efnb2 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Ephrin-B2/EFNB2 (C-Fc-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Arg29-Glu227
Tag:	C-Fc&His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Ephrin-B2 is produced by our Mammalian expression system and the target gene encoding Arg29-Glu227 is expressed with a Fc, 6His 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:	13642
UniProt ID:	P52800
Synonyms:	Ephrin-B2; ELF-2; EPH-related receptor tyrosine kinase ligand 5; HTK ligand; Elf2; Epl5; Eplg5; Htkl; Lerk5.
Summary:	Ephrin-B2 is a single-pass type I membrane protein and it contains 1 ephrin RBD (ephrin receptor-binding) domain. Ephrin-B2 belongs to the ephrin (EPH) family and it is cell surface transmembrane ligand for Eph receptors, a family of receptor tyrosine kinases which are crucial for migration, repulsion and adhesion during neuronal, vascular and epithelial development. The ephrins and EPH-related receptors contain the largest subfamily of receptor protein-tyrosine kinases and have been associated with mediating developmental events, particularly in the nervous system and in erythropoiesis. Based upon their structures and sequence relationships, ephrins are allocated 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. It also binds to receptor tyrosine kinase including EPHA4, EPHA3 and EPHB4 and together with EPHB4 plays a central role in heart morphogenesis and angiogenesis through regulation of cell adhesion and cell migration.


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