

## Product datasheet for **TP320133L**

### Ephrin B2 (EFNB2) (NM\_004093) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ephrin-B2 (EFNB2), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC220133 representing NM\_004093

**Red**=Cloning site **Green**=Tags(s)

MAVRRDSVWKYCWGVLMLVLCRTAISKSIVLEPIYWNSSNSKFLPGQGLVLYPQIGDKLDIICPKVDSKTV  
GQYEYKVMVDKQADRCTIKKENTPLLNCAKPDQDIKFTIKFQEFSPNLWGLEFQKNKDYYIISTNSG  
SLEGLDNQEGGVCQTRAMKILMKVGDASSAGSTRNKDPTRRPELEAGTNGRSSTTSPFVKPNPGSSTDG  
NSAGHSGNNILGSEVALFAGIASGCIIFVIIIITLVVLLLKYRRRHRKHSPQHHTTTLSTLATPKRSGN  
NNGSEPSDIIIPRLTADSVFCPHYEKVSGDYGHPVYIVQEMPPQSPANIYYKV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 36.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_004084](#)

**Locus ID:** 1948



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UniProt ID: [P52799](#)

RefSeq Size: 4335

Cytogenetics: 13q33.3

RefSeq ORF: 999

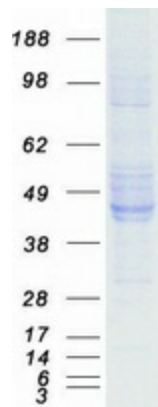
Synonyms: EPLG5; Htk-L; HTKL; LERK5

**Summary:** This gene encodes a member of the ephrin (EPH) family. The ephrins and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. 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. This gene encodes an EFNB class ephrin which binds to the EPHB4 and EPHA3 receptors. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Axon guidance

### Product images:



Coomassie blue staining of purified EFNB2 protein (Cat# [TP320133]). The protein was produced from HEK293T cells transfected with EFNB2 cDNA clone (Cat# [RC220133]) using MegaTran 2.0 (Cat# [TT210002]).