

## Product datasheet for **TP700151**

### Eph receptor B4 (EPHB4) (NM\_004444) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of human EPH receptor B4 (EPHB4), with C-terminal DDK/His tag, expressed in human cells, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600051, encoding the region (Leu16 – Leu539) of human EPHB4
Tag:	C-DDK/His
Predicted MW:	60 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
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:	<a href="#">NP_004435</a>
Locus ID:	2050
UniProt ID:	<a href="#">P54760</a> , <a href="#">Q96L35</a> , <a href="#">Q541P7</a>
RefSeq Size:	4369
Cytogenetics:	7q22.1
RefSeq ORF:	1617
Synonyms:	CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11



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**Summary:**

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. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:**

Axon guidance

**Product images:**