

## Product datasheet for **TP308559M**

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

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human EPH receptor B4 (EPHB4), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208559 representing NM\_004444  
**Red**=Cloning site **Green**=Tags(s)

MELRVLLCWASLAAALEETLLNNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEVCDVQRAPGQA  
HWLRTGWVPRRGAVHVVYATLRFTMLECLSLPRAGRCKETFTVFYYESDADTATALTPAWMENPYIKVDT  
VAAEHLTRKRPGEATGKVNKTLRLGPLSKAGFYLAQDQGACMALLSLHLFYKKAQLTVNLTRFPET  
VPRELWVPVAGSCVVDVAVPAGPSPSLYCREGDQWAEQPVTGCSCAPGFEEAEGNTKCRACAQGTFKPLS  
GEGSCQPCPANSHTIGSAVCQCRVGYFRARTDPRGAPCTTPPSAPRSVVSRLNGSSHLLEWSAPLES  
GREDLYALRCRECRPGGSCAPCGDLTFDPGPRDLVEPWWVRGLRPDFTYTFEVTALNGVSSLATGPV  
PFEPVNVTTDREVPPAVSDIRVTRSSPSSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTS  
RAELRGLKRGASYLVQVRARSEAGYGPFGQEHSQTQLDESEGWREQLALIAGTAVGVVLLVWVAV  
LCLRKQSNGREAEYSKDHGQYLIGHGTKVYIDPFTYEDPNEAVREFAKEIDVSYVKIEEVIGAGEFG  
RGLRKAPGKKESCVAIKTLKGGYTERQRREFLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMEN  
LDSFLRLNDGQFTVIQLVGMRLGIASGMRYLAEMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEEN  
DPTYTSSLGGKIPRWTAPEAIAFRKFTSASDAWSYGIMMWEVMSFGERPYWDMNSQDVINAIEQDYRL  
PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGASHPLLDQRQPHYSA  
FSGEGLRAIKMGRYEESFAAAGFGSFELVSQISAEDLLRIGVTLAGHQKILASVQHMKSQAKPGT  
GGPAPQY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

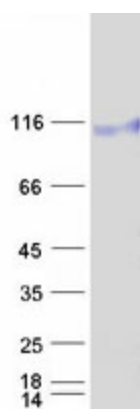
**Tag:** C-Myc/DDK  
**Predicted MW:** 106.6 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004435</a>
<b>Locus ID:</b>	2050
<b>UniProt ID:</b>	<a href="#">P54760</a> , <a href="#">Q96L35</a> , <a href="#">Q541P7</a>
<b>RefSeq Size:</b>	4369
<b>Cytogenetics:</b>	7q22.1
<b>RefSeq ORF:</b>	2961
<b>Synonyms:</b>	CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Axon guidance

### Product images:



Coomassie blue staining of purified EPHB4 protein (Cat# [TP308559]). The protein was produced from HEK293T cells transfected with EPHB4 cDNA clone (Cat# [RC208559]) using MegaTran 2.0 (Cat# [TT210002]).