

Product datasheet for **TP308559**

Eph receptor B4 (EPHB4) (NM_004444) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human EPH receptor B4 (EPHB4), 20 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
VPRELWVPVAGSCVVDVAVPAGPSPSLYCREDGQWAEQPVTGCSCAPGFEEAEGNTKCRACAQGTFKPLS
GEGSCQPCPANSHTIGSAVCQCRVGYFRARTDPRGAPCTTPPSAPRSVVSRLNGSSLHLEWSAPLES
GREDLYALRCRECRPGGSCAPCGDLTFDPGPRDLVEPWWVRGLRPDFTYTFEVTALNGVSSLATGPV
PFEPVNVTTDREVPPAVSDIRVTRSSPSSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTS
RAELRGLKRGASYLVQVRARSEAGYGPFGQEHSQTQLDESEGWREQLALIAGTAVGVVLLVWVAV
LCLRKQSNGREAEYSKDHGQYLIGHGTVYIDPFTYEDPNEAVREFAKEIDVSYVKIEEVIGAGEFGVC
RGRLKAPGKKESCVAIKTLKGGYTERQRREFLSEASIMGQFEHPNIIRLEGVVTNSMPVMILTEFMENGA
LDSFLRLNDGQFTVIQLVGMRLGIASGMRYLAEMSIVHRDLAARNILVNSNLVCKVSDFGLSRFL
EENSSDPTYTSSLGGKIPRWTAPEIAFRKFTSASDAWSYGIMMWEVMSFGERPYWDMNSQDVINAIEQDYRLP
PPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGASHPLLDQRQPHYSAFG
SVGEWLRAIKMGRYEESFAAAGFGSFELVSQISAEDLLRIGVTLAGHQKILASVQHMKSQAKPGT
PGGTGGPAPQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

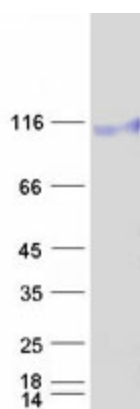
| | |
|----------------|---|
| Tag: | C-Myc/DDK |
| Predicted MW: | 106.6 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |



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| | |
|--------------------------|---|
| 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_004435 |
| Locus ID: | 2050 |
| UniProt ID: | P54760 , Q96L35 , Q541P7 |
| RefSeq Size: | 4369 |
| Cytogenetics: | 7q22.1 |
| RefSeq ORF: | 2961 |
| Synonyms: | CMAVM2; HFASD; HTK; LMPHM7; MYK1; TYRO11 |
| 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:



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]).