

## Product datasheet for **TP308364M**

### Eph receptor B3 (EPHB3) (NM\_004443) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human EPH receptor B3 (EPHB3), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208364 representing NM\_004443  
**Red**=Cloning site **Green**=Tags(s)

MARARPPPPSPPPGLLPLLPLLLPLLLLPLAGCRALLETMDTKWVTSELAWTSHPESGWEEVSGYDE  
AMNPIRTYQVCNVRESSQNNWLRTGFIWRRDVQRVYVELKFTVRDCNSIPNIPGSKETFNLFYYEADSD  
VASASSPFWMENPYVKVDTIAPDESFSRLDAGRVTNKVRSFGPLSKAGFYLAQDQGACMSLISVRAFYK  
KCASTTAGFALFPETLTGAEPTSLVIAPGTCIPNAVEVSPLKLYCNGDGEWMVPVGACTCATGHEPAAK  
ESQCRPCPPGSYKAKQGEGPCLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTTVPSPPRQVISNV  
NETSLILEWSEPRDLGGRDDLNVICKKCHGAGGASACSRDDNVEFVPRQLGLTERRVHISHLLAHTR  
YTFEVQAVNGVSGKSPLPARYAANITTNQAAPSEVPTLRHSSSGSSLTSLWAPPERPNGVILDYEMKY  
FEKSEGIASVTSMNSVQLDGLRPDARYVWQVRARTVAGYGQYSRPAEFETTSESGGAQQLQEQLPLI  
VGSATAGLVFVAVVIAIVCLRKQRHGSDSEYTEKLQQYIAPGMKVYIDPFTYEDPNEAVREFAKEIDV  
SCVKIEEVIGAGEFGEVCRGRLKQGRREVFAIKTLKVGYTERQRRDFLSEASIMGQFDHPNIIIRLEGV  
VTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLVGMRLGIAAGMKYLSEMNIVHRDLAARNILVNSNL  
VCKVSDFGLSRFLIEDDPSDPTYTSSLGGKIPRWTAPEAIAYRKFTSASDWWSYGIVMWEVMSYGERPYW  
DMSNQDVINAVEQDYRLPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLRNAASLKVIASQAQS  
GMSQPLLDRTVPDYTTFTTVGDWLDIAKMGRYKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHQKKIL  
SSIQDMRLQMNQTLPVQV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

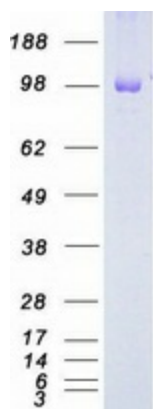
**Tag:** C-Myc/DDK  
**Predicted MW:** 106.9 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_004434</a>
<b>Locus ID:</b>	2049
<b>UniProt ID:</b>	<a href="#">P54753</a>
<b>RefSeq Size:</b>	4234
<b>Cytogenetics:</b>	3q27.1
<b>RefSeq ORF:</b>	2994
<b>Synonyms:</b>	EK2; ETK2; HEK2; TYRO6
<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 two 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. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	Axon guidance

### Product images:



Coomassie blue staining of purified EPHB3 protein (Cat# [TP308364]). The protein was produced from HEK293T cells transfected with EPHB3 cDNA clone (Cat# [RC208364]) using MegaTran 2.0 (Cat# [TT210002]).