

Product datasheet for **TP700150**

Eph receptor B3 (EPHB3) (NM_004443) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of human EPH receptor B3 (EPHB3), 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, RC600050, encoding the region (Gly34-Leu559) of human EPHB3 |
| 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: | NP_004434 |
| Locus ID: | 2049 |
| UniProt ID: | P54753 |
| RefSeq Size: | 4234 |
| Cytogenetics: | 3q27.1 |
| RefSeq ORF: | 1677 |
| Synonyms: | EK2; ETK2; HEK2; TYRO6 |



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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 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]

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Axon guidance

Product images: