

# Recombinant Human EPHB3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EPHB3-6641H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	EPHB3 MS Standard C13 and N15-labeled recombinant protein (NP_004434) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	110.33 kDa
<b>AA Sequence</b>	MARARPPPPSPPPGLLPLLPLLLLPLLLLPAQCRALEETLMDTKWVTSELAWTSH PESGWEEVSGYDEAMNPIRTYQVCNVRESSQNNWLRTGFIWRRDVQRVYVELKFT VRDCNSIPNIPGSKETFNLFYFEADSDVASASSPFWMENPYVKVDTIAPDESFSRL DAGRVNTKVRSGPLSKAGFYLAQDQGACMSLISVRAFYKKCASTTAGFALFPETL

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TGAEPTSLVIAPGTCIPNAVEVSVPLKLYCNGDGEWMVPVGACTCATGHEPAAKES  
 QCRPCPPGSYKAKQGEGPCLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTT  
 VPSPPRGVISNVNETSLILEWSEPRDLGGRDDLNVICKKCHGAGGASACSRCD  
 NVEFVPRQLGLTERRVHISHLLAHTRYTFEVQAVNGVSGKSPPPRYAAVNITTNQA  
 APSEVPTLRHLHSSSGSSLTSLWAPPERPNGVILDYEMKYFEKSEGIASVTSMNSV  
 QLDGLRPDARYVVQVRARTVAGYGQYSRPAEFETTSEKSGAQQQLQEQLPLIVGS  
 ATAGLVFVVAVVVIAIVCLRKQRHGSDSEYTEKLQQYIAPGMKVYIDPFTYEDPNEAV  
 REFAKEIDVSCVKIEEVIGAGEFGEVCRGRLKQPGRREVFVAIKTLKVG YTERQRRD  
 FLSEASIMGQFDHPNIIRLEGVVTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLV  
 GMLRGIAAGMKYLSEMNIVHRDLAARNILVNSNLVCKVSDFGLSRFLEDDPSDPTYT  
 SSLGGKIPRWTAPEAIAIRKFTSASDVWSYGIVMWEVMSYGERPYWDMSNQDVIN  
 AVEQDYRLPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLIRNAASLKVIA  
 SAQSGMSQPLLDRTVPDYTTFTTVGDWLDIAIKMGRYKESFVSAGFASFDLVAQMTA  
 EDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLVQVTRTRPLEQKLISEEDLAANDILD  
 YKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

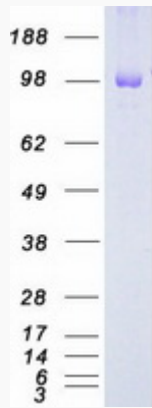
## GENE INFORMATION

<b>Gene Name</b>	EPHB3 EPH receptor B3 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	EPHB3
<b>Synonyms</b>	EPHB3; EPH receptor B3; EphB3, ETK2; ephrin type-B receptor 3; Hek2; Tyro6; EK2; EPH-like kinase 2; embryonic kinase 2; human embryo kinase 2; EPH-like tyrosine kinase 2; EPH-like tyrosine kinase-2; tyrosine-protein kinase TYRO6; ETK2; HEK2; TYRO6;
<b>Gene ID</b>	2049
<b>mRNA Refseq</b>	NM_004443
<b>Protein Refseq</b>	NP_004434
<b>MIM</b>	601839
<b>UniProt ID</b>	P54753
<b>SDS-PAGE</b>	

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