

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

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

SPECIFICATION

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

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TGAEPTSLVIAPGTCIPNAVEVSVPLKLYCNGDGEWMVPVGACTCATGHEPAAKES
 QCRPCPPGSYKAKQGEGPCLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTT
 VPSPPRGVISNVNETSLILEWSEPRDLGGRDDLNVICKKCHGAGGASACSRCD
 NVEFVPRQLGLTERRVHISHLLAHTRYTFEVQAVNGVSGKSPLPPRYAAVNITTNQA
 APSEVPTLRLHSSSGSSLTSLWAPPERPNGVILDYEMKYFEKSEGIASVTSMNSV
 QLDGLRPDARYVVQVRARTVAGYGQYSRPAEFETTSESGAQQQLQEQLPLIVGS
 ATAGLVFVVAVVVIAIVCLRKQRHGSDSEYTEKLQQYIAPGMKVYIDPFTYEDPNEAV
 REFAKEIDVSCVKIEEVIGAGEFGEVCRGLKQPGRREVFAIKTLKVG YTERQRRD
 FLSEASIMGQFDHPNIIRLEGVVTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLV
 GMLRGIAAGMKYLSEMNYVHRDLAARNILVNSNLVCKVSDFGLSRFLEDDPSDPTYT
 SSLGGKIPIRWTAPEAIA YRKFTSASDVWSYGIVMWEVMSYGERPYWDMSNQDVIN
 AVEQDYRLPPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLIRNAASLKVIA
 SAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGYKESFVSAGFASFDLVAQMTA
 EDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLVPVQVTRTRPLEQKLISEEDLAANDILD
 YKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EPHB3 EPH receptor B3 [Homo sapiens (human)]

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Official Symbol	EPHB3
Synonyms	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;
Gene ID	2049
mRNA Refseq	NM_004443
Protein Refseq	NP_004434
MIM	601839
UniProt ID	P54753
SDS-PAGE	