

Recombinant Full Length Human EPHB3 Protein, GST-tagged

Cat. No. EPHB3-4368HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHB3 full-length ORF (NP_004434.2, 1 a.a. - 998 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	998 amino acids
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. [provided by RefSeq, Mar 2010]
Molecular Mass	136.7 kDa
AA Sequence	MARARPPPPSPPPGLLPLLPLLLLLPLLLLPAGCRALEETLMDTKWVTSELAWTSH PESGWEEVSGYDEAMNPIRTYQVCNVRESSQNNWLRTGFIWRRDVQRVYVELKFT VRDCNSIPNIPGSCKETFNLFYYEADSDVASASSPFWMENPYVKVDTIAPDESFSRL

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DAGRVNTKVRSGPLSKAGFYLAHQDQACMSLISVRAFYKKCASTTAGFALFPETL
 TGAEPTSLVIAPGTCIPNAVEVSVPLKLYCNGDGEWMVPVGACTCATGHEPAAKES
 QCRPCPPGSYKAKQGEGPCLPCPPNSRTTSPAASICTCHNNFYRADSDSADSACTT
 VPSPPRGVISNVNETSLILEWSEPRDLGGRDDLNVICKKCHGAGGASACSRD
 NVEFVPRQLGLTERRVHISHLLAHTRYTFEVQAVNGVSGKSPLPPRYAAVNITTNQA
 APSEVPTLRHSSSGSSLTSLWAPPERPNGVILDYEMKYFEKSEGIASVTSMNSV
 QLDGLRPDARYVVQVRARTVAGYGQYSRPAEFETTSESGAQQQLQEQLPLIVGS
 ATAGLVFVVAVVIAIVCLRKQRHGSDSEYTEKLQQYIAPGMKVYIDPFTYEDPNEAV
 REFAKEIDVSCVKIEEVIGAGEFGEVCRGRLKQPGRREVFVAIKTLKVGYTEQRRD
 FLSEASIMGQFDHPNIIRLEGVVTKSRPVMILTEFMENCALDSFLRLNDGQFTVIQLV
 GMLRGIAAGMKYLSEMNIVHRDLAARNILVNSNLVCKVSDFGLSRFLEDDPSDPTYT
 SSLGGKIPIRWTAPEAIAIRKFTSASDVWSYGIVMWEVMSYGERPYWDMSNQDVIN
 AVEQDYRLPPPMDCPTALHQLMLDCWVRDRNLRPKFSQIVNTLDKLIRNAASLKVIA
 SAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGYKESFVSAGFASFDLVAQMTA
 EDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLPVQV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

EPHB3 EPH receptor B3 [Homo sapiens]

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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

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