

Recombinant Full Length Human EPHB4 Protein, GST-tagged

Cat. No. EPHB4-4382HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHB4 full-length ORF (AAH52804.1, 1 a.a. - 987 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	987 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 2 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. The protein encoded by this gene binds to ephrin-B2 and plays an essential role in vascular development. [provided by RefSeq, Jul 2008]
Molecular Mass	134.7 kDa
AA Sequence	MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVR TYEVCDVQRAPGQAHWLRTGWVPRRGAVHVVYATLRFTMLECLSLPRAGRSCKETF TVFYYESDADTATALTPAWMENPYIKVDTVAAEHLTRKRPGAETGKVNVRTLRLLGP

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LSKAGFYLAHQDQACMALLSLHLFYKKCAQLTVNLTRFPETVPRELVPVAGSCVV
 DAVPAPGPSPSLYCREGGQWAEQPVTCSCAPGFEEAEGNTKCRACAQGTFFKPLS
 GEGSCQPCPANSHTIGSAVCQCRVGYFRARTDPRGAPCTTPPSAPRSVVSRLN
 GSSLHLEWSAPLES GGREDLTALRCRECRPGGSCAPCGGDLTFDPGPRDLVEPW
 VVVRGLRPDFTYTFEVTALNGVSSLATGPVPFEPVNVTTDREVPPAVSDIRVTRSSP
 SSSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTSENRAELRGLKRGASY
 LVQVRARSEAGYGPFGQEHHSQTQLDESEGWREQLALIAGTAVVGVVLVLVIVVA
 VLCLRKQSNGREAEYSKDHGQYLIGHGTKVYIDPFTYEDPNEAVREFAKEIDVSYVKI
 EEVIGAGEFGEVCRGRLKAPGKKESCVAIKTLKGGYTERQRREFLSEASIMGQFEHP
 NIIRLEGVVTNSMPVMILTEFMENGALDSFLRLNDGQFTVIQLVGMLRGIASGMRYLA
 EMSYVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDPTYTSSLGGKIPRWTP
 EAIAFRKFTSASDAWSYGIVMWEVMSFGERPYWDMSNQDVINAIEQDYRLPPPPDC
 PTLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGASHPLLDQ
 RQPHYSAFGSVGEWLRAIKMGRYEESFAAAGFGSFELVSQISAEDLLRIGVTLAGHQ
 KKILASVQHMKSQAKPGTPGGTGGPAPQY

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

EPHB4 EPH receptor B4 [Homo sapiens]

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Official Symbol	EPHB4
Synonyms	EPHB4; EPH receptor B4; EphB4 , HTK; ephrin type-B receptor 4; Tyro11; ephrin receptor EphB4; soluble EPHB4 variant 1; soluble EPHB4 variant 2; soluble EPHB4 variant 3; hepatoma transmembrane kinase; tyrosine-protein kinase TYRO11; tyrosine-protein kinase receptor HTK; HTK; MYK1; TYRO11;
Gene ID	2050
mRNA Refseq	NM_004444
Protein Refseq	NP_004435
MIM	600011
UniProt ID	P54760

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