

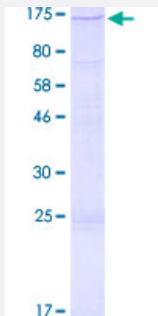
Full-Length

EPHB4 (Human) Recombinant Protein (P01)

Catalog # H00002050-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EPHB4 full-length ORF (AAH52804.1, 1 a.a. - 987 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MELRVLLCWASLAAALEETLLNTKLETADLKWVTFPQVDGQWEELSGLDEEQHSVRTYEVC DV
 QRAPGQAHWLRTGWVPRRGAVHVYATLRFMTLECLSLPRAGRCKETFTVFYYESDADTATALT
 PAWMENPYIKVDTVAAEHLTRKRP GAEATGKVNVRTLRGLPSKAGFYLA FQDQGACMALLSLH
 LFYKKCAQLTVNLTRFPETVPREL VVPVAGSCVVDAPAPGPSPLYCREDGQWAEQPVTGCS
 CAPGFEEAAEGNTKCRACAQGT FTKPLSGEGSCQPCPANSHSNTIGSAVCQCRVGYFRARTDPRG
 APCTTPPSAPRSVVSRLNGSSLHLEWSAPLES GGREDLTYALRCRECRPGGSCAPCGDLTFD
 PGPRDLVEPWVVVRGLRPDFTYTFEVTALNGVSSLATGPVPFEPVNVTTDREVPPAVSDIRVTRS
 SPSSLSLAWAVPRAPSGAVLDYEVKYHEKGAEGPSSVRFLKTSENRAELRGLKRGASYLVQVRA
 RSEAGYGPFQGEHHSQTQLDESEGWREQLALIAGTAVVGVVLVLVVMVAVLCLRKQSNGREAE
 YSDKHGYLIGHGTKVYIDPFTYEDPNEAVREFAKEIDVSYVKIEEVIGAGEFGEVCRGRLKAPGKK
 ESCVAIKTLKGGYTERQRRREFLSEASIMGQFEHPNIRLEGVVTNSMPVMILTEFMENGALDSFLRL
 NDGQFTVIQLVGMLRGIASGMRYLAEMS YVHRDLAARNILVNSNLVCKVSDFGLSRFLEENSSDP
 TYTSSLGGKIPIRWTAPEAIAFRKFTS ASDAWSYGMWVMSFGERPYWDMSNQDVINAIEQDYR
 LPPPPDCPTSLHQLMLDCWQKDRNARPRFPQVVSALDKMIRNPASLKIVARENGGASHPLLDQR
 QPHYSAFGSVGEWLRAIKMGRYEESFAAAGFGSFELVSQISAEDLLRIGVTLAGHQKKILASVQHM
 KSQAKPGTGGTGGPAPQY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

134.7

Interspecies Antigen Sequence	Mouse (92); Rat (92)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — EPHB4

Entrez GeneID	2050
GeneBank Accession#	BC052804.1
Protein Accession#	AAH52804.1
Gene Name	EPHB4
Gene Alias	HTK, MYK1, TYRO11
Gene Description	EPH receptor B4
Omim ID	600011
Gene Ontology	Hyperlink

Gene 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 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]

Other Designations

ephrin receptor EphB4|hepatoma transmembrane kinase|soluble EPHB4 variant 1|soluble EPHB4 variant 2|soluble EPHB4 variant 3

Pathway

- [Axon guidance](#)

Disease

- [Intracranial Arteriovenous Malformations](#)
- [Intracranial Hemorrhages](#)