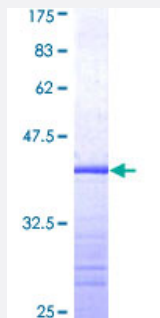


EPHB4 (Human) Recombinant Protein (Q01)

Catalog # H00002050-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHB4 partial ORF (AAH52804, 198 a.a. - 323 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AQLTVNLTRFPETVPRELVVPVAGSCVVDPAVPAGPSPSLYCREDGQWAEQPVTGCSCAPGFE AAEGNTKCRACAQGTFKPLSGEGSCQPCPANSHTIGSAVCQCRVGYFRARTDPRGAPCTTP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.49
Interspecies Antigen Sequence	Mouse (78); Rat (78)
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](#)

Protein Accession# [AAH52804](#)

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](#)