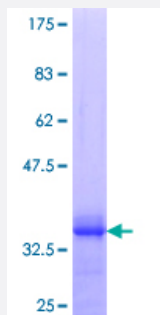


EPHB1 (Human) Recombinant Protein (Q01)

Catalog # H00002047-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHB1 partial ORF (NP_004432.1, 221 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ARGTCIPNAEEVDVPIKLYCNGDGEWMVPIGRCTCKPGYEPENSVACKACPAGTFKASQEAEGC SHCPSNSRSPAEEASPICTCRTGYRADFDPPPEVACT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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 — EPHB1

Entrez GeneID [2047](#)

GeneBank Accession# [NM_004441](#)

Protein Accession# [NP_004432.1](#)

Gene Name EPHB1

Gene Alias ELK, EPHT2, FLJ37986, Hek6, NET

Gene Description EPH receptor B1

Omim ID [600600](#)

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 is a receptor for ephrin-B family members. [provided by RefSeq]

Other Designations eph tyrosine kinase 2|ephrin receptor EphB1|soluble EPHB1 variant 1

Pathway

- [Axon guidance](#)

Disease

- [Carcinoma](#)
- [Depressive Disorder](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Parkinson disease](#)
- [Tobacco Use Disorder](#)