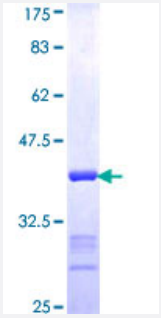
EPHB3 (Human) Recombinant Protein (Q01)

Catalog # H00002049-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHB3 partial ORF (NP_004434, 899 a.a. - 997 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AASLKVIASAQSGMSQPLLDRTVPDYTTFTTVGDWLDAIKMGRYKESFVSAGFASFDLVAQMTAEDLLRIGVTLAGHQKKILSSIQDMRLQMNQTLPVQ
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 — EPHB3

Entrez GeneID	2049
GeneBank Accession#	NM_004443
Protein Accession#	NP_004434
Gene Name	EPHB3
Gene Alias	ETK2, HEK2, TYRO6
Gene Description	EPH receptor B3
Omim ID	601839
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-like tyrosine kinase-2|ephrin receptor EphB3|human embryo kinase 2

Pathway

- Axon guidance

Disease

- Cleft Lip
- Cleft Palate
- Tooth Abnormalities