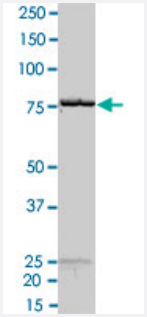
Bioactive

EPHB3 (Human) Recombinant Protein

Catalog # P4684 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human EPHB3 (NM_004443, 585 a.a. - 998 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	80.148
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH-agarose
Concentration	0.258 ug/uL

Activity	75 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — EPHB3

Entrez GeneID	2049
Protein Accession#	NM_004443
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, par ticularly 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 glycosylphosp hatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The E ph family of receptors are divided into 2 groups based on the similarity of their extracellular domai n 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