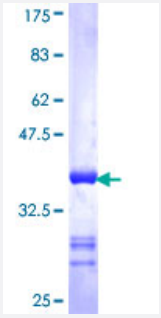
EPHA4 (Human) Recombinant Protein (Q01)

Catalog # H00002043-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHA4 partial ORF (NP_004429, 887 a.a. - 986 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SLKRTGTESSRPNTALLDPSSPEFSAVVSVGDWLQAIKMDRYKDNFTAAGYTTLEAVVHVNQED LARIGITAITHQNKILSSVQAMRTQMQQMHGRMVPV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (96); Rat (96)
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 — EPHA4

Entrez GeneID	2043
GeneBank Accession#	NM_004438
Protein Accession#	NP_004429
Gene Name	EPHA4
Gene Alias	HEK8, SEK, TYRO1
Gene Description	EPH receptor A4
Omim ID	602188
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in th e nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an e xtracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin rece ptors are divided into 2 groups based on the similarity of their extracellular domain sequences an d their affinities for binding ephrin-A and ephrin-B ligands. [provided by RefSeq
Other Designations	OTTHUMP00000164185|TYRO1 protein tyrosine kinase|ephrin receptor EphA4|ephrin type-A rec eptor 4|receptor protein-tyrosine kinase HEK8|tyrosine-protein kinase receptor SEK

Pathway

- Axon guidance

Disease

- Alzheimer Disease
- Cognition Disorders
- Genetic Predisposition to Disease
- Parkinson disease