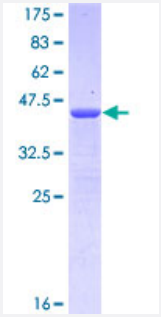
EPHA2 (Human) Recombinant Protein (Q01)

Catalog # H00001969-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EPHA2 partial ORF (AAH37166, 204 a.a. - 326 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	LLQGLAHFPETIAGSDAPSLATVAGTCVDHAVVPPGGEEPRMHCAVDGEWLVPIGQCLCQAGYE KVEDACQACSPGFFKFEASESPCLECPEHTLPSPEGATSCECEEGFFRAPQDPASMPCT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.16
Interspecies Antigen Sequence	Mouse (82); Rat (84)
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 — EPHA2

Entrez GeneID	1969
GeneBank Accession#	BC037166
Protein Accession#	AAH37166
Gene Name	EPHA2
Gene Alias	ECK
Gene Description	EPH receptor A2
Omim ID	176946
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. This gene encodes a protein that binds ephrin-A ligands. [provided by RefSeq
Other Designations	ephrin receptor EphA2|epithelial cell receptor protein tyrosine kinase|protein tyrosine kinase|rece ptor protein tyrosine kinase regulated by p53 and E2F-1|soluble EPHA2 variant 1

Pathway

- Axon guidance

Disease

- Cataract
- Genetic Predisposition to Disease
- Hearing Loss