

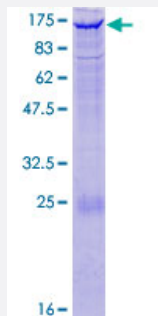
Full-Length

EPHA4 (Human) Recombinant Protein (P02)

Catalog # H00002043-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human EPHA4 full-length ORF (NP_004429.1, 1 a.a. - 986 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGIFYFALFSCFLGICDAVTGSRVYPANEVTLDSRSVQGELGWIASPLEGGWEEVSIMDEKNT
PIRTYQVCNVMEPSQNNWLRTDWITREGAQRVYIEIKFTLRDCNSLPGVMGTCKETFNLYYYESDN
DKERFIRENQFVKIDTIAADESFTQVDIGDRIMKLNTEIRDVGPLSKKGFYLAQDVGACIALVSVRV
FYKKCPLTVRNLAQFPDTITGADTSSLVEVRGSCVNNSEEKDVPKMYCGADGEWLVPIGNCLCN
AGHEERSGECQACKIGYYKALSTDATCAKCPHYSVWEGATSCCTDRGFFRADNDAASMPCT
RPPSAPLNLISNVNETSVNLEWSSPQNTGGRQDISNVVCKKCGAGDPSKCRPCGSGVHYTPQQ
NGLKTTKVSITDLLAHTNYTFEIAVNGVSKYNPNPDQSVSVTVTTNQAAPSSIALVQAKEVTRYSV
ALAWLEPDRPNGVILEYEVKYYEKDQNERSYRIVRTAARNTDIKGLNPLTSYVFHVRARTAAGYGD
FSEPLEVTTNTVPSRIIGDGANSTVLLVSVSGSVVLVILIAAFVISRRRSKYSKAKQEADDEEKHLNQ
GVRTYVDPFTYEDPNQAVREFAKEIDASCIKIEKVIGVGEFGEVCSGRLKVPKGREICVAIKTLKAG
YTDKQRRDFLSEASIMGQFDHPNIIHLEGVVTCKCPVMIITEYMENGSLDAFLRKNDRFTVIQLVG
MLRGIGSGMKYLSDMSYVHRDLAARNILVNSNLVCKVSDFGMSRVLEDDPEAAAYTRGGKIPRW
TAPEAIAIRKFTSASDVWSYGMMWEVMSYGERPYWDMSNQDVIKAEIEGYRLPPPMDCPIALHQ
LMLDCWQKERSDRPKFGQVNMMLDKLIRNPNSLKRTGTSSRPNTALLDPSSPEFSAVVSVGDW
LQAIKMDRYKDNFTAAGYTTLEAVVHVNQEDLARIGITAITHQNKILSSVQAMRTQMQQMHGRMVP
V

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

136.3

Interspecies Antigen Sequence	Mouse (99); Rat (99)
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_004438.3
Protein Accession#	NP_004429.1
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 the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin 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. [provided by RefSeq]

Other Designations

OTTHUMP00000164185|TYRO1 protein tyrosine kinase|ephrin receptor EphA4|ephrin type-A receptor 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](#)