

Recombinant Full Length Human EPHA4 Protein, GST-tagged

Cat. No. EPHA4-4345HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHA4 full-length ORF (NP_004429.1, 1 a.a. - 986 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	986 amino acids
Description	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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2015]
Molecular Mass	136.3 kDa
AA Sequence	MAGIFYFALFSCFLFGICDAVTGSRVYPANEVTLLDSRSVQGELGWIASPLEGGWEEV SIMDEKNTPIRTYQVCNVMEPSQNNWLRTDWITREGAQRVYIEIKFTLRDCNSLPGV MGTCKETFNLYYYESDNDKERFIRENQFVKIDTIAADESFTQVDIGDRIMKLNTEIRDV GPLSKKGFYLAQFDVGACIALVSVRVFYKKCPLTVRNLAQFPDTITGADTSSLVEVR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GSCVNNSEEKDVPKMYCGADGEWLVPIGNCLCNAGHEERSGECQACKIGYYKALS
 TDATAKCPHSSYSVWEGATSCDCRGFFRADNDAASMPCTRPPSAPLNLSINVNE
 TSVNLEWSSPQNTGGRQDISYNNVCKKCGAGDPSKCRPCGSGVHYTPQQNGLKTT
 KVSITDLLAHTNYTFEIWAVNGVSKYNPNPDQSVSVTVTTNQAAPSSIALVQAKEVTR
 YSVALAWLEPDRPNGVILEYEVKYYEKDQNERSYRIVRTAARNTDIKGLNPLTSYVF
 HVRARTAAGYGDFSEPLEVTTNTVPSRIIGDGANSTVLLVSVSGSVLVVILIAAFVIS
 RRRSKYSKAKQEADEEKHLNQGVRTYVDPFTYEDPNQAVREFAKEIDASCIKIEKVI
 GVGEFGEVCSGRLKVPKGKREICVAIKTLKAGYTDKQRRDFLSEASIMGQFDHPNIIHL
 EGVVTKCKPVMIIITEYMENGSLDAFLRKNDGRFTVIQLVGMLRGIGSGMKYLSDMSY
 VHRDLAARNILVNSNLVCKVSDFGMSRVLEDDPEAAYTTRGGKIPRWTAPEAIAYR
 KFTSASDVWSYGIVMWEVMSYGERPYWDMSNQDVIKAIIEGYRLPPPMDCPIALHQ
 LMLDCWQKERSDRPKFGQIVNMLDKLIRNPNLSLKRTGTESSRPNTALLDPSSPEFSA
 VVSVGDWLQAIKMDRYKDNFTAAGYTTLEAVVHVNQEDLARIGITAITHQNKILSSVQ
 AMRTQMQQMHGRMVPV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [EPHA4 EPH receptor A4 \[Homo sapiens \]](#)

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Official Symbol	EPHA4
Synonyms	EPHA4; EPH receptor A4; EphA4 , TYRO1; ephrin type-A receptor 4; Hek8; EK8; EPH-like kinase 8; TYRO1 protein tyrosine kinase; tyrosine-protein kinase TYRO1; tyrosine-protein kinase receptor SEK; receptor protein-tyrosine kinase HEK8; SEK; HEK8; TYRO1;
Gene ID	2043
mRNA Refseq	NM_004438
Protein Refseq	NP_004429
MIM	602188
UniProt ID	P54764

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