

Recombinant Full Length Human EPHA3 Protein, GST-tagged

Cat. No. EPHA3-4344HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHA3 full-length ORF (NP_005224.2, 1 a.a. - 983 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	983 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. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	136.5 kDa
AA Sequence	MDCQLSILLLLSCSVLDSFGELIPQPSNEVNLLDSKTIQGELGWISYPSHGWEEISGV DEHYTPIRTYQVCNVMDSQNNWLRTNWWVPRNSAQKIYVELKFTLRDCNSIPLVLG TCKETFNLYYMESDDDHGVKFRHQFTKIDTIAADESFTQMDLGDRILKLNTEIREVG PVNKKGFYLAQDVGACVALVSVRVYFKKCPFTVKNLAMFPDTPMDSQSLVEVRG

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SCVNNSKEEDPPRMYCSTEGEWLVPIGKCSCNAGYEERGFMQACRPGFYKALD
 GNMKCAKCPPHSSTQEDGSMNCRCENNYFRADKDPPSMACRPPSSPRNVISIN
 ETSVILDWSWPLDTGGRKDVTFNIICKKCGWNIQCEPCSPNVRFLPRQFGLTNTTV
 TVTDLLAHTNYTFEIDAVNGVSELSSPPRQFAAVSITTNQAAPSPVLTIKKDRTSRNSI
 SLSWQEPEHPNGIILDYEVKYYEKQEQETSYTILRARGTNVTISLKPDTIYVFQIRAR
 TAAGYGTNSRKFEFETSPDSFSISGESSQVVMIAISAAVAIILLTVVIYVLIGRFCGYKS
 KHGADEKRLHFGNGHLKLPLRITYVDPHTYEDPTQAVHEFAKELDATNISIDKVVG
 A GEFGEVCSGRLKLPSKKEISVAIKTLKVGYTEKQRRDFLGEASIMGQFDHPNIIRLEG
 VVTKSKPVMIVTEYMEGSLDSFLRKHDAQFTVIQLVGMLRGIASGMKYLSDMGYV
 HRDLAARNILINSNLVCKVSDFGLSRVLEDDPEAAYTTRGGKIPRWTSPEAIAIRKFT
 SASDVWSYGIVLWEVMSYGERPYWEMSNQDVIKAVDEGYRLPPPMDCPAALYQLM
 LDCWQKDRNNRPKFEQIVSILDKLIRNPGSLKIITSAAARPSNLLLDQSNVDITTFRTT
 GDWLNQVWTAHCKEIFTGVEYSSCDTIKISTDDMKKVGTVVGPQKKIISIKALET
 QSKNGPVPV

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 **EPHA3 EPH receptor A3 [Homo sapiens]**

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Official Symbol	EPHA3
Synonyms	EPHA3; EPH receptor A3; EphA3 , ETK, ETK1, TYRO4; ephrin type-A receptor 3; HEK; HEK4; EPH-like kinase 4; human embryo kinase 1; eph-like tyrosine kinase 1; TYRO4 protein tyrosine kinase; tyrosine-protein kinase receptor ETK1; EK4; ETK; ETK1; TYRO4;
Gene ID	2042
mRNA Refseq	NM_005233
Protein Refseq	NP_005224
MIM	179611
UniProt ID	P29320

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