

Recombinant Full Length Human EPHA2 Protein, GST-tagged

Cat. No. EPHA2-4343HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHA2 full-length ORF (NP_004422.2, 1 a.a. - 976 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	976 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. Mutations in this gene are the cause of certain genetically-related cataract disorders.[provided by RefSeq, May 2010]
Molecular Mass	134.7 kDa
AA Sequence	MELQAARACFALLWGCALAAAAAQQGKEVVLLDFAAAGGELGWLTHPYGKGWDLM QNIMNDMPIYMYSCNVMSGDQDNWLRTNWVYRGEAERIFIELKFTVRDCNSFPG GASSCKETFNLYAESDLDYGTNFQKRLFTKIDTIAPDEITVSSDFEARHVKLNVEER SVGPLTRKGFYLAFQDIGACVALLSVRVYYKKCEPLLQGLAHPETIAGSDAPSLATV

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AGTCVDHAVPPGGEEPRMHCAVDGEWLVPIGQCLCQAGYEKVEDACQACSPGF
FKFEASESPCLECPEHTLPSPEGATSCECEEGFFRAPQDPASMPCTRPPSAPHYLT
AVGMGAKVELRWTPPQDSGGREDIVYSVTCEQCWPESGECGPCEASVRYSEPPH
GLTRTSVTVSDLEPHMNYTFTVEARNGVSGLVTSRSFRTASVSINQTEPPKVRLEGR
STTSLSVSWSSIPPPQQSRVWKYEVTYRKKGDSNSYNVRRTEGFSVTLDDLAPDTTY
LVQVQALTQEGQGAGSKVHEFQTLSPEGSGNLAVIGGVAVGVVLLLVLAVGVGFFIHR
RRKNQRRARQSPEDVYFSKSEQLKPLKTYVDPHTYEDPNQAVLKFTTEIHPSCVTRQ
KVIGAGEFGGEVYKGMMLKTSSGKKEVPVAIKTLKAGYTEKQRVDFLGEAGIMGQFSHH
NIIRLEGVISKYKPMMIITEYMENGALDKFLREKDGESVLQLVGMLRGIAAGMKYLA
NMNYVHRDLAARNILVNSNLVCKVSDFGLSRVLEDDPEATYTTSGGKIPIRWTAPEAI
SYRKFTSASDVWSFGIVMWEVMTYGERPYWELSNHEVMKAINDFRLPTPMDPCS
AIYQLMMQCWQQERARRPKFADIVSILDKLIRAPDSLKTLADFDPRVSIRLPSTSGSE
GVPFRTVSEWLESIKMQQYTEHFMAAGYTAIEKVVMQMTNDDIKRIGVRLPGHQKRIA
YSLGLKDKQVNTVGIPI

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 [EPHA2 EPH receptor A2 \[Homo sapiens \]](#)

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Official Symbol	EPHA2
Synonyms	EPHA2; EPH receptor A2; ECK, EphA2; ephrin type-A receptor 2; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; epithelial cell receptor protein tyrosine kinase; ECK; CTPA; ARCC2; CTPP1;
Gene ID	1969
mRNA Refseq	NM_004431
Protein Refseq	NP_004422
MIM	176946
UniProt ID	P29317

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