

HuPro®

## EPHA2 (Human) Recombinant Protein

Catalog # P9397

Size 2 x 10 ug

### Specification

<b>Product Description</b>	Human EPHA2 (P29317, 24 a.a. - 530 a.a.) partial recombinant protein with His tag at C-terminus expressed in HEK293 cells.
<b>Sequence</b>	AQGKEVLLDFAAAGGELGWLTHPYGKGWDLMQNIMNDMPIMYSVCNVMSGDQDNWLRTNW VYRGEAERIFIELKFTVRDCNSFPGGASSCKETFNL YYAESDLDYGTNFQKRLFTKIDTIAPDEITVS SDFEARHVKLNVEERSVGPLTRKGFYLAFAQDIGACVALLSVRVYKKCPPELLQGLAHFPETIAGSD APSLATVAGTCVDHAVVPPGGEEPRMHCAVDGEWLVPIGQCLCQAGYEKVEDACQACSPGFF KFEASESPCLECPEHTLPSPEGATSCECEEGFFRAPQDPASMPCTRPPSAPHYLTAVGMGAKV ELRWTPPQDSGGREDIVYSVTCEQCWPESGECGPCEASVRYSEPPHGLTRTSVTVSDLEPHMN YTFTVEARNGVSGLVTSRSFRTASVSINQTEPPKVRLEGRSTTSLSVSWSIPPPQQSRVWKYEVT YRKKGDSNSYNVRRTEGFSVTLDDLAPDTTYLVQVQALTQEGQGAGSKVHEFQTL SPEKLHHHH HH.
<b>Host</b>	Mammals
<b>Theoretical MW (kDa)</b>	56.9
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95.0% by SDS-PAGE
<b>Recommend Usage</b>	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- SDS-PAGE

## Gene Info — EPHA2

**Entrez GeneID** [1969](#)**Protein Accession#** [P29317](#)**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 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. [provided by RefSeq]

**Other Designations** ephrin receptor EphA2|epithelial cell receptor protein tyrosine kinase|protein tyrosine kinase|receptor protein tyrosine kinase regulated by p53 and E2F-1|soluble EPHA2 variant 1

## Pathway

- [Axon guidance](#)

## Disease

- [Cataract](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)