

## Recombinant Human EPHA1 Protein, DDK/His-tagged

**Cat. No.** EPHA1-361H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EPHA1(Lys26 - Glu547) fused with DDK/His tag at C-terminal was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Lys26 - Glu547                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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 is expressed in some human cancer cell lines and has been implicated in carcinogenesis. |
| <b>Form</b>             | 1 x PBS, pH7.4, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 59 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EPHA1 EPH receptor A1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b> | EPHA1                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | EPHA1; EPH receptor A1; EphA1 , EPHT, EPHT1; ephrin type-A receptor 1; EPH; hEpha1; oncogene EPH; eph tyrosine kinase 1; soluble EPHA1 variant 1; soluble EPHA1 variant 2; tyrosine-protein kinase receptor EPH; erythropoietin-producing hepatoma receptor; erythropoietin-producing hepatoma amplified sequence; EPHT; EPHT1; MGC163163; |
| <b>Gene ID</b>         | 2041                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_005232                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_005223                                                                                                                                                                                                                                                                                                                                  |
| <b>MIM</b>             | 179610                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>      | P21709                                                                                                                                                                                                                                                                                                                                     |

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