

Recombinant Human EPHA1 protein, His & T7-tagged

Cat. No. EPHA1-6869H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHA1 aa. (Tyr599~Gly842 (Accession # P21709)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr599~Gly842
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 is expressed in some human cancer cell lines and has been implicated in carcinogenesis.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 5.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	EPHA1 EPH receptor A1 [Homo sapiens (human)]
Official Symbol	EPHA1
Synonyms	EPH; EPHT; EPHT1; eph tyrosine kinase 1; erythropoietin-producing hepatoma amplified sequence; erythropoietin-producing hepatoma receptor; hEpha1; oncogene EPH; soluble EPHA1 variant 1; soluble EPHA1 variant 2; tyrosine-protein kinase receptor EPH; ephrin type-A receptor 1
Gene ID	2041

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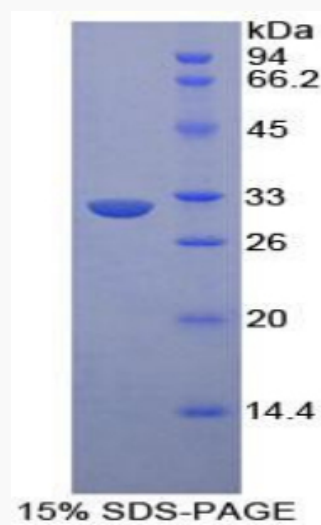
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mRNA Refseq NM_005232.4

Protein Refseq NP_005223.4

UniProt ID P21709

SDS-PAGE



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