

Recombinant Human EPH Receptor A1, GST-His

Cat. No. EPHA1-743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHA1, Amino acids R569-D976, N-terminally fused to GST-HIS6-Thrombin cleavage site, was expressed in Sf9 cells. MW = 79,631 Da.
Species	Human
Source	Sf9 Cells
Protein Length	569-976 a.a.
Description	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.
Purification	One-step affinity purification using GSH-agarose.
Product Identity	EPHA1 was confirmed as human EPHA1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
Storage Buffer	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.

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Concentration	0.071 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).
Specific Activity	4 pmol/µg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
GENE INFORMATION	
Gene Name	EPHA1 EPH receptor A1 [Homo sapiens]
Synonyms	EPHA1; EPH receptor A1; EPH; EPHT; EPHT1; MGC163163; EphA1; EC 2.7.10.1; Tyrosine-protein kinase receptor EPH; eph tyrosine kinase 1; ephrin receptor EphA1; ephrin type-A receptor 1; erythropoietin-producing hepatoma amplified sequence; oncogene EPH; soluble EPHA1 variant 1; soluble EPHA1 variant 2
Gene ID	2041
mRNA Refseq	NM_005232
Protein Refseq	NP_005223
MIM	179610
UniProt ID	P21709
Chromosome Location	7q32-q36
Pathway	Axon guidance

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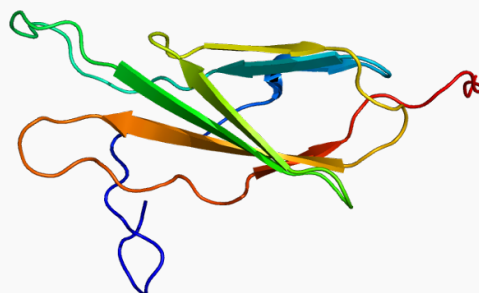
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Function

ephrin receptor activity; nucleotide binding; protein binding; receptor activity; transferase activity

**PDB rendering based
on 1x5a.**



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