

## Recombinant Human EPH Receptor A1, GST-His

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Protein Length</b>	569-976 a.a.
<b>Description</b>	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>Purification</b>	One-step affinity purification using GSH-agarose.
<b>Product Identity</b>	EPHA1 was confirmed as human EPHA1 by mass spectroscopy LC-ESI-MS/MS (Protagen AG, Germany).
<b>Storage Buffer</b>	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 15 mM reduced glutathione, 20% glycerol.

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<b>Concentration</b>	0.071 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).
<b>Specific Activity</b>	4 pmol/µg×min.
<b>Storage</b>	-80°C. Avoid repeated freeze-thaw cycles!
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	EPHA1 EPH receptor A1 [ Homo sapiens ]
<b>Synonyms</b>	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
<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
<b>Chromosome Location</b>	7q32-q36
<b>Pathway</b>	Axon guidance

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**Function**

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

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