

Recombinant Human EPH Receptor A1

Cat. No. EPHA1-1608H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	EPH receptor A1, also known as EPHA1 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. EPHA1 is expressed in some human cancer cell lines and has been implicated in carcinogenesis.
Molecular Weight	The predicted molecular weight of Recombinant Human EphA1 is 84 kDa. However, the actual molecular weight as observed by migration on SDS Page is 110 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.

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Storage

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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

Function

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

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transferase activity

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