

Recombinant Human EPHA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EPHA1-3712H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EPHA1 MS Standard C13 and N15-labeled recombinant protein (NP_005223) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	107.9 kDa
AA Sequence	MERRWPLGLGLVLLLCAPLPPGAHAKEVTLMDTSKAQGELGWLLDPPKDGWSEQQ QILNGTPLYMYQDCPMQGRRTDHWLRSNWIYRGEEASRVHVELQFTVRDCKSFP GGAGPLGCKETFNLLYMESDQDVGIQLRRPLFQKVTTVAADQSFTIRDLASGSVKLN VERCSLGRLLTRGLYLAFHNPGACVALSVRVFYQRCPETLNGLAQFPDTLPGPAG LVEVAGTCLPHARASPRPSGAPRMHCSPDGEWLVPVGRCHCEPGYEEGGSGEAC

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VACPSGSYRMDMDTPHCLTCPQQSTAASEGATICCTCESGHYRAPGEGPQVACTGP
 PSAPRNLSFSASGTQLSLRWEPPADTGGRQDVRYSVRCSQCQGT AQDGGPCQPC
 GVGVFHSPGARGLTTPAVHVNGLEPYANYTFNVEAQNGVSGLGSSGHASTSVSISM
 GHAE SLSGLSLRLVKKEPRQLELTWAGSRPRSPGANLTYELHVLNQDEERYQMVLE
 PRVLLTELQPDTTYIVRVRMLTPLGPGPFSPDHEFRTSPPVSRGLTGGEIVAVIFGLL
 LG AALLLGILVFRSRRAQRQRQQRQDRATDVDREDKLWLKPYVDLQAYEDPAQG
 ALDFTRELDPAWLMVDTVIGEGEFGEVYRGTLRLPSQDCKTVAIKTLKDTSPGGQW
 WNFLREATIMGQFSHPHILHLEGVVTKRKPIMIITEFMENGALDAFLREREDQLVPGQ
 LVAMLQGIASGMNYLSNHNYVHRDLAARNILVNQNLCKVSDFGLTRLLDDFDGTYE
 TQGGKIPIRWTAPEAIAHRIFTTASDVWSFGIVMWEVLSFGDKPYGEMSNQEVMSI
 EDGYRLPPPVDPCAPLYELMKNCWAYDRARRPHFQKLQAHLEQLLANPHSLRTIAN
 FDPRTVLRPLPSLSGSDGIPYRTVSEWLESIRMKRYILHFHSAGLDTMECVLELTAEDL
 TQMGITLPGHQKRILCSIQGFKDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name EPHA1 EPH receptor A1 [Homo sapiens (human)]

Official Symbol EPHA1

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Synonyms	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;
Gene ID	2041
mRNA Refseq	NM_005232
Protein Refseq	NP_005223
MIM	179610
UniProt ID	P21709
SDS-PAGE	