

Recombinant Human EPHA7, GST-tagged

Cat. No. EPHA7-12490H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPHA7 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	29-279a.a.
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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	EPHA7 EPH receptor A7 [Homo sapiens]
Official Symbol	EPHA7
Synonyms	EPHA7; EPH receptor A7; EphA7; ephrin type-A receptor 7; Hek11; EK11; EHK-3; EPH-like kinase 11; EPH homology kinase 3; Eph homology kinase-3; receptor protein-tyrosine kinase HEK11; tyrosine-protein kinase receptor EHK-3; EHK3; HEK11;
Gene ID	2045
mRNA Refseq	NM_004440
Protein Refseq	NP_004431
MIM	602190
UniProt ID	Q15375
Chromosome Location	6q16.3
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; EPHA forward signaling, organism-specific biosystem; EphrinA-EPHA pathway, organism-specific biosystem;
Function	ATP binding; GPI-linked ephrin receptor activity; axon guidance receptor activity; chemorepellent activity; ephrin receptor binding; nucleotide binding; protein binding; protein tyrosine kinase activity; receptor activity;

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