

Active Recombinant Human EPHA7 Protein, GST-tagged

Cat. No. EPHA7-3393H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human EPHA7 (NP_004431.1, 595 a.a. - 998 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	595-998 a.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. Increased expression of this gene is associated with multiple forms of carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000.

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	Substrate: Blk/Lyntide. ATP: 100 μ M.
Molecular Mass	73 kDa
Purity	86 % by SDS-PAGE/CBB staining.
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

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

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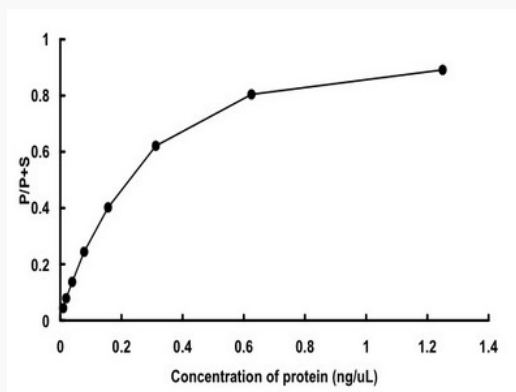
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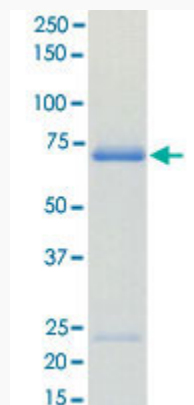
MIM 602190

UniProt ID Q15375

Result of activity analysis



Quality Control Testing



Loading 1 µg protein in SDS-PAGE

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