Active Recombinant Human EPHA5 Protein, GST-tagged

Cat. No. EPHA5-3389H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHA5 (NP_004430.3, 662 a.a. - 948 a.a.) partial recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	662-948 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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Aug 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.

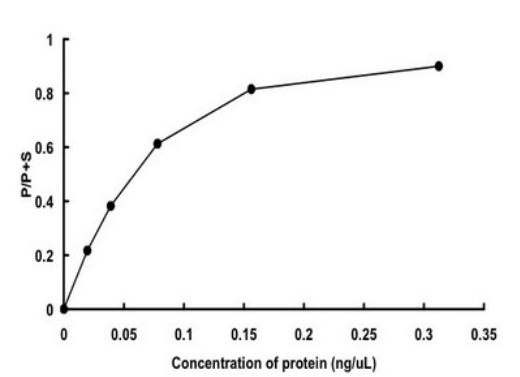
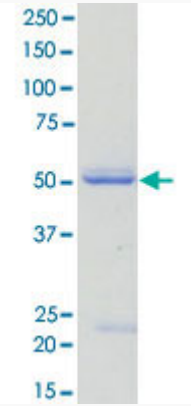
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	Substrate: Blk/Lyntide. ATP: 100 μM.
Molecular Mass	59 kDa
Purity	89 % by SDS-PAGE/CBB staining.
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)

GENE INFORMATION

Gene Name	EPHA5 EPH receptor A5 [Homo sapiens]
Official Symbol	EPHA5
Synonyms	EPHA5; EPH receptor A5; EphA5; ephrin type-A receptor 5; CEK7; EHK1; Hek7; TYRO4; EK7; EHK-1; EPH-like kinase 7; EPH homology kinase 1; Eph homology kinase-1; brain-specific kinase; receptor protein-tyrosine kinase HEK7; tyrosine-protein kinase receptor EHK-1; HEK7;
Gene ID	2044
mRNA Refseq	NM_004439
Protein Refseq	NP_004430

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MIM	600004
UniProt ID	P54756
Result of activity analysis	
Quality Control Testing	 Loading 1 μg protein in SDS-PAGE

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