

Active Recombinant Human EPHA3 Protein, GST-tagged

Cat. No. EPHA3-3381H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EPHA3 (NP_005224.2, 1 a.a. - 464; 1 a.a. - 216 a.a.) full-length recombinant protein with GST tag expressed in Baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
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 encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
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. Substrate: Blk/Lyntide.

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	ATP: 100 µM.
Molecular Mass	73 kDa
Purity	88 % 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	EPHA3 EPH receptor A3 [Homo sapiens]
Official Symbol	EPHA3
Synonyms	EPHA3; EPH receptor A3; EphA3 , ETK, ETK1, TYRO4; ephrin type-A receptor 3; HEK; HEK4; EPH-like kinase 4; human embryo kinase 1; eph-like tyrosine kinase 1; TYRO4 protein tyrosine kinase; tyrosine-protein kinase receptor ETK1; EK4; ETK; ETK1; TYRO4;
Gene ID	2042
mRNA Refseq	NM_005233
Protein Refseq	NP_005224
MIM	179611

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UniProt ID

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