

Recombinant Human EPH Receptor A5, GST-tagged

Cat. No. EPHA5-696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPH receptor A5 catalytic domain (aa 595-1037) with GST tag is expressed in <i>Insect cells</i> . Activated in vitro via auto-phosphorylation.
Species	Human
Source	Insect Cells
Protein Length	595-1037 a.a.
Description	EPH receptor A5 (ephrin type-A receptor 5) is a protein that in humans is encoded by the EPHA5 gene. 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.
Concentration	0.46 mg/ml.
Formulation	Liquid in 50 mM Tris, pH 7.5 + 150 mM NaCl + 0.5 mM EDTA + 0.02% Triton X-100 + 2mM DTT + 50% glycerol.
Specific Activity	1290 nmole of phosphate transferred to poly [Glu,Tyr] 4:1 substrate per minute per mg of total protein at 30°C. Activity determined at a final protein concentration of 1

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µg/ml.

Storage

Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name

EPHA5 EPH receptor A5 [Homo sapiens]

Synonyms

EPHA5; EPH receptor A5; EHK-1; EK7; EPH homology kinase 1; EPH-like kinase 7; Eph homology kinase-1; OTTHUMP00000223029; ephrin type-A receptor 5; receptor protein-tyrosine kinase HEK7; tyrosine-protein kinase receptor EHK-1; CEK7; EHK1; HEK7; TYRO4; EC 2.7.10.1

Gene ID

2044

mRNA Refseq

NM_004439

Protein Refseq

NP_004430

MIM

600004

UniProt ID

P54756

Chromosome Location

4q13.1

Pathway

xon guidance

Function

ATP binding; nucleotide binding; protein binding; receptor activity; transferase activity; transmembrane-ephrin receptor activity

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