

Recombinant Human EPH Receptor A7, GST-tagged

Cat. No. EPHA7-697H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPH receptor A7 catalytic domain (aa 579-998) with a GST tag is expressed in <i>Insect cells</i> . Activated in vitro via auto-phosphorylation.
Species	Human
Source	Insect Cells
Protein Length	579-998 a.a.
Description	Ephrin type-A receptor 7 is a protein that in humans is encoded by the EPHA7 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	0.33 mg/ml.
Molecular Weight	76.7 kDa.
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.

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Specific Activity 110 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 2 µg/ml.

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

GENE INFORMATION

Gene Name EPHA7 EPH receptor A7 [Homo sapiens]

Synonyms EPHA7; EPH receptor A7; EHK-3; EK11; EPH homology kinase 3; EPH-like kinase 11; Eph homology kinase-3; ephrin type-A receptor 7; receptor protein-tyrosine kinase HEK11; tyrosine-protein kinase receptor EHK-3; EHK3; EC 2.7.10.1

Gene ID 2045

mRNA Refseq NM_004440

Protein Refseq NP_004431

MIM 602190

UniProt ID Q15375

Chromosome Location 6q16.1

Pathway Axon guidance

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

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