

Recombinant Mouse Eph Receptor A7, GST-tagged

Cat. No. Epha7-1013H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Epha7 (580-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
ProteinLength	580-end a.a.
Description	Epha7 is a member of the ephrin receptor subfamily of protein-tyrosine kinases family that 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 types III repeats. Epha7 mediated signaling act as a physiologic trigger for apoptosis that can alter brain size and shape by regulating the number of neural progenitors. The high expression of Epha7 protein plays an important role in the malignancy transformation, invasion progression and metastasis of primary hepatocellular carcinoma.
Applications	Kinase Assay; Western Blot
Molecular Weight	73 kDa
Expression System	Sf9 insect cells using baculovirus

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Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Specific Activity	35 nmol/min/mg
Purity	> 95 %
Concentration	0.1 ug/ul
Sequences	580-end
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Pathways	Axon guidance

GENE INFORMATION

Gene Name	Epha7 Eph receptor A7 [Mus musculus]
Official Symbol	Epha7
Synonyms	Epha7; Eph receptor A7; Ebk; Ehk3; Mdk1; Cek11; Hek11; ephrin type-A receptor 7; EHK-3; mDK-1; OTTMUSP00000005092; OTTMUSP00000005094; EPH homology kinase 3; developmental kinase 1; embryonic brain kinase; EC 2.7.10.1
Gene ID	13841
mRNA Refseq	NM_001122889

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Protein Refseq	NP_001116361
UniProt ID	Q8CC52
Chromosome Location	4 A4; 4 1.9 cM
Function	ATP binding; chemorepellent activity; ephrin receptor activity; ephrin receptor binding; kinase activity; nucleotide binding; protein kinase activity; protein tyrosine kinase activity; receptor activity; transferase activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity

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