

## Active Recombinant Mouse EPHA1, GST-tagged

Cat. No. EPHA1-1400M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse EPHA1 (569-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
<b>Species</b>	Mouse
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	569 aa-end
<b>Description</b>	<p>EPHA1 is a member of the Eph family of receptor tyrosine kinases 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 type III repeats. EPHA1 seems to be a marker of the differentiated normal epidermis and its downregulation in nonmelanoma skin cancer may contribute to carcinogenesis of these very frequent human tumors. EPHA1 represents a new potential prognostic marker and therapeutic target in nonmelanoma skin cancer.</p>
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	32 nmol/min/mg
<b>Molecular Mass</b>	~71 kDa

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<b>Purity</b>	>85%
<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	Store at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 µg/µl

## GENE INFORMATION

<b>Gene Name</b>	Epha1 Eph receptor A1 [ Mus musculus ]
<b>Official Symbol</b>	EPHA1
<b>Synonyms</b>	EPHA1; Eph receptor A1; ephrin type-A receptor 1; mEpha1; embryonic stem cell kinase; tyrosine-protein kinase receptor ESK; Eph; Esk; AL033318; 5730453L17Rik;
<b>Gene ID</b>	13835
<b>mRNA Refseq</b>	NM_023580
<b>Protein Refseq</b>	NP_076069
<b>Pathway</b>	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
<b>Function</b>	ATP binding; ephrin receptor activity; kinase activity; nucleotide binding; protein kinase activity; protein kinase binding; protein tyrosine kinase activity; receptor activity; transferase activity; transferase activity, transferring phosphorus-containing groups; transmembrane receptor protein tyrosine kinase activity; transmembrane-ephrin receptor activity;

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