

Active Recombinant Mouse EPHA1, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant mouse EPHA1 (569-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
ProteinLength	569 aa-end
Description	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.
Form	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.
Bio-activity	32 nmol/min/mg
Molecular Mass	~71 kDa

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Purity	>85%
Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	Epha1 Eph receptor A1 [Mus musculus]
Official Symbol	EPHA1
Synonyms	EPHA1; Eph receptor A1; ephrin type-A receptor 1; mEpha1; embryonic stem cell kinase; tyrosine-protein kinase receptor ESK; Eph; Esk; AL033318; 5730453L17Rik;
Gene ID	13835
mRNA Refseq	NM_023580
Protein Refseq	NP_076069
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	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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