Active Recombinant Mouse EPHB1, GST-tagged

Cat. No. EPHB1-1401M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse EPHB1 (591-end) was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
ProteinLength	591 aa-end
Description	EPHB1 is a member of the Eph family of receptor tyrosine kinases. Ligand-activated EPHB1 forms a signaling complex with Nck, paxillin, and focal adhesion kinase and induces tyrosine phosphorylation of paxillin in a c-Src-dependent manner to promote cell migration. In addition, activated EPHB1 recruits the adaptor proteins Grb2 and p52Shc and promotes p52Shc and c-Src tyrosine phosphorylation as well as MAPK/extracellular signal-regulated kinase (ERK) activation. Expression of dominant-negative c-Src significantly reduced EPHB1-dependent ERK1/2 activation and chemotaxis.
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	143 nmol/min/mg
Molecular Mass	~62kDa

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Purity	>90%
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	Ephb1 Eph receptor B1 [Mus musculus]
Official Symbol	EPHB1
Synonyms	EPHB1; Eph receptor B1; Elk;
Gene ID	13843

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