

Recombinant Mouse Efnb2 Protein, His&GST-tagged

Cat. No. Efnb2-1408M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Efnb2 Protein (Phe45-Val336) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Phe45-Val336
Description	Enables signaling receptor binding activity. Involved in several processes, including adherens junction organization; positive regulation of cardiac muscle cell differentiation; and regulation of postsynaptic neurotransmitter receptor internalization. Acts upstream of or within several processes, including negative regulation of keratinocyte proliferation; positive regulation of aorta morphogenesis; and vasculature development. Located in Schaffer collateral - CA1 synapse; glutamatergic synapse; and plasma membrane. Is integral component of postsynaptic density membrane. Is expressed in several structures, including alimentary system; brain; cardiovascular system; sensory organ; and urinary system. Orthologous to human EFNB2 (ephrin B2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 62.1 kDa Accurate Molecular Mass: 62 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Efnb2 ephrin B2 [Mus musculus (house mouse)]
Official Symbol	Efnb2
Synonyms	EFNB2; ephrin B2; ephrin-B2; HTK ligand; EPH-related receptor tyrosine kinase ligand 5; Epl5; ELF-2; Eplg5; Htk-L; Lerk5; LERK-5; NLERK-1;
Gene ID	13642
mRNA Refseq	NM_010111

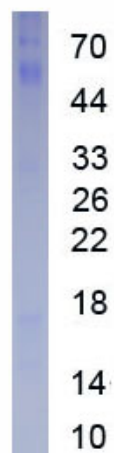
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Protein Refseq NP_034241

UniProt ID P52800



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