

Active Recombinant Mouse Ephb6, His-tagged

Cat. No. Ephb6-498M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the mouse EPHB6 (O08644-1) (Met1-Ser587) was expressed with a C-terminal polyhistidine tag.
Species	Mouse
Source	Human Cells
ProteinLength	Met1-Ser587
Form	Lyophilized from sterile PBS, pH7.4.
Bio-activity	1. Immobilized mouse EPHB6-His at 10 µg/ml (100 µl/well) can bind mouse EFNB1-Fc, The EC50 of mouse EFNB1-Fc is 0.12-0.28 µg/ml. 2. Immobilized mouse EPHB6-His at 10 µg/ml (100 µl/well) can bind mouse EFNB2-Fc, The EC50 of mouse EFNB2-Fc is 0.04-0.08 µg/m
Molecular Mass	The recombinant mouse EPHB6 comprises 566 amino acids and has a predicted molecular mass of 61.1 kDa. The apparent molecular mass of the protein is approximately 91 and 65 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	(16.4+73.1) % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C

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Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Ephb6 Eph receptor B6 [Mus musculus]
Official Symbol	Ephb6
Synonyms	EPHB6; Eph receptor B6; ephrin type-B receptor 6; ephrin type A receptor; chicken eph/elk receptor-like protein; tyrosine-protein kinase-defective receptor EPH-6; Mep; Cekl;
Gene ID	13848
mRNA Refseq	NM_001146351
Protein Refseq	NP_001139823
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ATP binding; ephrin receptor activity; nucleotide binding; protein kinase activity; receptor activity; transferase activity, transferring phosphorus-containing groups;

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