

Active Recombinant Mouse EFNB2 Protein, Fc-tagged

Cat. No. EFNB2-882M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse EFNB2 (NP_034241.2) extracellular domain (Met 1-Ala 232) was expressed with the fused Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-232 a.a.
Predicted N Terminal	Arg 29
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized mouse EphB4 at 2 µg/ml (100 µl/well) can bind mouse EphrinB2 Fc with a linear range of 0.2-25 ng/ml.
Molecular Mass	The recombinant mouse EFNB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 445 amino acids and has a predicted molecular mass of 49 kDa. As a result of glycosylation, the apparent molecular mass of rmEFNB2/Fc monomer is approximately 55-60 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Efnb2 ephrin B2 [Mus musculus]
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
Protein Refseq	NP_034241
MIM	
UniProt ID	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ephrin receptor binding; protein binding; receptor binding;

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