

Active Recombinant Rat EFNB2 Protein, Fc-tagged

Cat. No. EFNB2-1078R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat EFNB2 (NP_001100798.1) extracellular domain (Met 1-Ala 229) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-229 a.a.
Predicted N Terminal	Ser 28
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized mouse EPHB4-His at 10 µg/mL (100 µl/well) can bind Rat EphrinB2-Fc, The EC50 of Rat EphrinB2-Fc is 10 ng/mL.
Molecular Mass	The recombinant rat EFNB2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 443 amino acids and predicts a molecular mass of 49 kDa. The apparent molecular mass of the rat EFNB2/Fc monomer is approximately 55 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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 [Rattus norvegicus]
Official Symbol	EFNB2
Synonyms	EFNB2; ephrin B2;
Gene ID	306636
mRNA Refseq	NM_001107328
Protein Refseq	NP_001100798
MIM	
UniProt ID	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ephrin receptor binding; ephrin receptor binding; receptor binding;

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