Active Recombinant Rat Efnb2 protein(Met1-Ala229), His-tagged

Cat. No. Efnb2-7435R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat EFNB2 (NP_001100798.1) (Met1-Ala229) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ala229
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA.1. Immobilized rat EFNB2-His at 10 μg/mL (100 μl/well) can bind mouse EPHB4-Fc, The EC50 of mouse EPHB4-Fc is 19.0-44.5 ng/mL. 2. Immobilized rat EFNB2-His at 10 μg/mL (100 μl/well) can bind human EphB4-Fc, The EC50 of human EphB4-Fc is 10.0-23.5 ng/mL.
Molecular Mass	The recombinant rat EFNB2 comprises 212 amino acids and has a predicted molecular mass of 23.5 kDa. The apparent molecular mass of the protein is approximately 33-39 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 99 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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 0.2 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

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