Active Recombinant Rat Efnb3 protein, His-tagged

Cat. No. Efnb3-8717R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Efnb3 protein(G3V7D4)(Met1-Ser224), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ser224
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA.Immobilized rat EFNB3-His at 10 μg/ml (100 μl/well) can bind biotinylated mouse EphB3-His, The EC50 of biotinylated mouse EphB3-His is 17.4-40.6 ng/ml.
Molecular Mass	The recombinant rat EFNB3 comprises 208 amino acids and predicts a molecular mass of 23.1 kDa. The apparent molecular mass of the recombinant protein is approximately 32 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
Purity	> 85 % as determined by SDS-PAGE

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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	Efnb3 ephrin B3 [Rattus norvegicus]
Official Symbol	Efnb3
Synonyms	EFNB3; ephrin B3; ephrin ligand B3; ELK-L3; RGD1565678;
Gene ID	360546
mRNA Refseq	NM_001100980
Protein Refseq	NP_001094450

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