

Active Recombinant Rat Efnb3 protein, hFc-tagged

Cat. No. Efnb3-8716R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Efnb3 protein(NP_001094450)(Met1-Ser224), fused with hFc 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 mouse EphB3-His (Cat:50581-M08H) at 10 µg/ml (100 µl/well) can bind rat EFNB3-Fc, The EC50 of rat EFNB3-Fc is 14.1-33.2 ng/ml.
Molecular Mass	The recombinant rat EFNB3/Fc is a disulfide-linked homodimer. The reduced monomer comprises 438 amino acids and has a predicted molecular mass of 48.7 kDa. The apparent molecular mass of the protein is approximately 55 and 34 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % 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	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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