

## Active Recombinant Rat Efnb3 protein, hFc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Efnb3 protein(NP_001094450)(Met1-Ser224), fused with hFc tag, was expressed in HEK293.
<b>Species</b>	Rat
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser224
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	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.
<b>Reconstitution</b>	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

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

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