

Active Recombinant Rat Efnb1 protein(Met1-Thr229), hFc-tagged

Cat. No. Efnb1-7434R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat EFNB1 (P52796) (Met1-Thr229) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Thr229
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	Immobilized mouse EphB3-His at 10 µg/ml (100 µl/well) can bind RatEFNB1-Fc, The EC50 of RatEFNB1-Fc is 6.1-14.2 ng/ml.
Molecular Mass	The recombinant Rat EFNB1 comprises 446 amino acids and predicts a molecular mass of 49.4 kDa. The apparent molecular mass of the Rat EFNB1 is approximately 58 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	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 Efnb1 ephrin B1 [Rattus norvegicus]

Official Symbol Efnb1

Synonyms EFNB1; ephrin B1; ephrin-B1; ELK-L; LERK-2; ELK ligand; EPH-related receptor tyrosine kinase ligand 2; LERK2;

Gene ID 25186

mRNA Refseq NM_017089

Protein Refseq NP_058785

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