

Active Recombinant Rat EFNB1 Protein, His-tagged

Cat. No. EFNB1-1077R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat EFNB1 (P52796) extracellular domain (Met 1-Thr 229) was expressed, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-229 a.a.
Predicted N Terminal	Ala 25
Form	Lyophilized from sterile PBS, pH 7.51, 5%~8% trehalose and mannitol.
Bio-activity	Immobilized rat EFNB1-His at 10 µg/ml (100 µl/well) can bind biotinylated mouse EphB3-His, The EC50 of biotinylated mouse EphB3-His is 6.3-14.6 ng/ml.
Molecular Mass	The recombinant rat EFNB1 comprises 216 amino acids and predicts a molecular mass of 23.8 kDa. The apparent molecular mass of the ratEFNB1 is approximately 36 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	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Storage	Store it under sterile conditions at -20°C~-70°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 0.25 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
MIM	
UniProt ID	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ephrin receptor binding; ephrin receptor binding; ephrin receptor binding; protein binding;