

# Rat Ephrin-B1/EFNB1 (His Tag) recombinant protein



Catalog Number: 503734

## General Information

### Gene Name Synonym

ELK ligand; EPH-related receptor tyrosine kinase ligand 2

### Protein Construction

A DNA sequence encoding the rat EFNB1 (P52796) extracellular domain (Met 1-Thr 229) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized rat EFNB1-His at 10 µg/ml (100 µl/well) can bind biotinylated mouse EphB3-His (Cat:500494), The EC<sub>50</sub> of biotinylated mouse EphB3-His (Cat:500494) is 6.3-14.6 ng/ml.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ala 25

### 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.

### Formulation

Lyophilized from sterile PBS, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

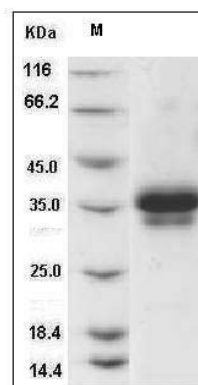
### Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Rat Ephrin-B1 / EFNB1 Protein (His Tag) SDS-PAGE