

# Rat Ephrin B3 / EFNB3 (His Tag) recombinant protein



Catalog Number: 501071

## General Information

### Gene Name Synonym

Protein Efnb3

### Protein Construction

A DNA sequence encoding the rat EFNB3 (G3V7D4) (Met1-Ser224) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized rat EFNB3-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 17.4-40.6 ng/ml.

### Purity

> 85 % 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

Leu 28

### Molecular Mass

The recombinant rat EFNB3 comprises 208 amino acids and predicts a molecular mass of 23.1 kDa. The apparent molecular mass of the recombinant protein is approximately 32 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

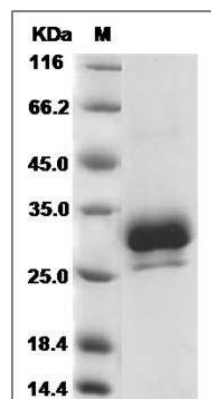
### Storage

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-B3 / EFNB3 Protein (His Tag) SDS-PAGE