

# Rat Ephrin-B2 (His Tag) recombinant protein



Catalog Number: 501301

## General Information

### Gene Name Synonym

Ephrin B2 (Predicted); Protein Efnb2

### Protein Construction

A DNA sequence encoding the rat EFNB2 (NP\_001100798.1) (Met1-Ala229) 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.

1. Immobilized rat EFNB2-His (Cat:501301) at 10 µg/mL (100 µl/well) can bind mouse EPHB4-Fc (Cat:503845), The EC<sub>50</sub> of mouse EPHB4-Fc (Cat:503845) is 19.0-44.5 ng/mL.

2. Immobilized rat EFNB2-His (Cat:501301) at 10 µg/mL (100 µl/well) can bind human EphB4-Fc (Cat:503223) The EC<sub>50</sub> of human EphB4-Fc (Cat:503223) is 10.0-23.5 ng/mL.

### Purity

> 99 % 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

Arg 29

## Molecular Mass

The recombinant rat EFNB2 comprises 212 amino acids and has a predicted molecular mass of 23.5 kDa. The apparent molecular mass of the protein is approximately 33-39 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

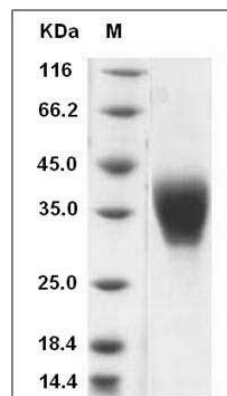
### Storage

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-B2 / EFNB2 Protein (His Tag) SDS-

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