

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



Catalog Number: 503463

## General Information

### Gene Name Synonym

Protein Efnb3

### Protein Construction

A DNA sequence encoding the rat EFNB3 (NP\_001094450) (Met1-Ser224) was expressed, fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse EphB3-His (Cat:500494) at 10 µg/ml (100 µl/well) can bind rat EFNB3-Fc. The EC<sub>50</sub> of rat EFNB3-Fc is 14.1-33.2 ng/ml.

### Purity

(79.6+17) % 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/Fc is a disulfide-linked homodimer. The reduced monomer comprises 438 amino acids and has a predicted molecular mass of 48.7 kDa. The apparent molecular mass of the protein is approximately 55 and 34 kDa in SDS-PAGE under reducing conditions.

## 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

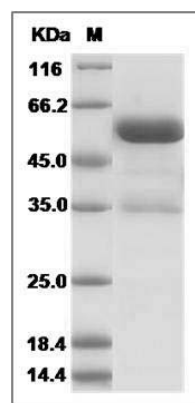
### Storage

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 (Fc Tag) SDS-PAGE