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

Catalog Number: 501410

## General Information

### Gene Name Synonym

EFL-3; ELK ligand; EPH-related receptor tyrosine kinase ligand 2

### Protein Construction

A DNA sequence encoding the human EFNB1 (NP_004420.1) extracellular domain (Met 1-Gly 232) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant human EphrinB1 at 10 μg/ml (100 μl/well) can bind human EphB6 with a linear range of 0.16-4 μg/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℃

### Predicted N terminal

Leu 28

### Molecular Mass

The recombinant human EFNB1 consists of 221 amino acids and predicts a molecular mass of 24.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EFNB1 is approximately 38 kDa 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

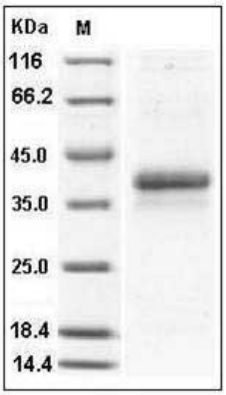
### Storage

Store it under sterile conditions at -20℃ to -80℃. 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




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