

# Human EphB1/Eph Receptor B1 (His Tag) recombinant protein



Catalog Number: 503601

## General Information

### Gene Name Synonym

ELK; EPH tyrosine kinase 2; EPH-like kinase 6; Neuronally-expressed EPH-related tyrosine kinase; Tyrosine-protein kinase receptor EPH-2

### Protein Construction

A DNA sequence encoding the human EPHB1 (P54762-1) extracellular domain (Met 1-Pro 540) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized human EPHB1-His at 10 µg/ml (100 µl/well) can bind human EFNB1-Fc2h (Cat:504161) with a linear ranger of 3.125-200 ng/mL.

2. Immobilized human EPHB1-His at 10 µg/ml (100 µl/well) can bind human EFNB2-Fch (Cat:502066) with a linear ranger of 0.3125-20 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

Met 18

### Molecular Mass

The recombinant human EPHB1 consists of 534 amino acids and has a calculated molecular mass of 60 kDa as estimated in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4, 5% glycerol  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

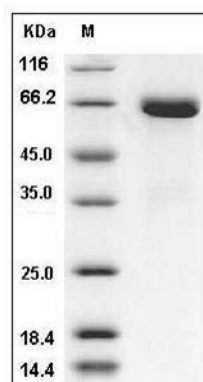
### Storage

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



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Human EphB1 / EPHT2 Protein (His Tag) SDS- PAGE