

# Human EphB4/Eph Receptor B4 (His Tag) recombinant protein



Catalog Number: 502026

## General Information

### Gene Name Synonym

Hepatoma transmembrane kinase; Tyrosine-protein kinase TYRO11

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ala 539) of human EphB4 (NP\_004435.3) precursor was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human EphB4 at 2 µg/ml (100 µl/well) can bind human EphrinB2 with a linear range of 1-25 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

Leu 16

## Molecular Mass

The recombinant human EphB4 is a monomeric protein. It consists of 535 amino acids and has a calculated molecular mass of 58.5 kDa. As a result of glycosylation, the rhEphB4 migrates as an approximately 72 kDa protein in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, 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

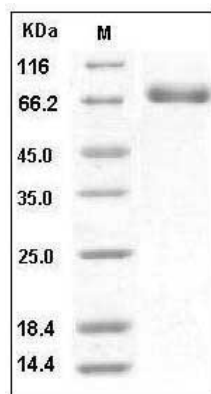
### Storage

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



Human EphB4 / HTK Protein (His Tag) SDS-PAGE