

# Human EphB2/Eph Receptor B2 recombinant protein



Catalog Number: 503852

## General Information

### Gene Name Synonym

Developmentally-regulated Eph-related tyrosine kinase; ELK-related tyrosine kinase; EPH tyrosine kinase 3; EPH-like kinase 5; Renal carcinoma antigen NY-REN-47; Tyrosine-protein kinase TYRO5; Tyrosine-protein kinase receptor EPH-3

### Protein Construction

A DNA sequence encoding the human EPHB2 (NP\_059145.2) (Met 1-Leu 543) was expressed with six amino acids (ENLYFQ ) at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized human EPHB2 at 10 µg/ml (100 µl/well) can bind human EFNB2-Fch (Cat:502066), The EC<sub>50</sub> of human EFNB2-Fch (Cat:502066) is 18.2-42.7 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

Val 19

### Molecular Mass

The recombinant human EPHB2 consists of 532 amino acids and predicts a molecular mass of 59 KDa. It migrates as an approximately 66 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

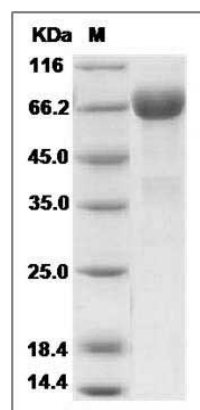
### Storage

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 EphB2 / Hek5 Protein SDS-PAGE