# Human EphB6/Eph Receptor B6 (His Tag) recombinant protein

Catalog Number: 504562



#### **General Information**

## **Protein Construction**

The extracellular domain (Met 1-Ser 579) of human EphB6 (NP\_004436.1) precursor was expressed, fused with a polyhistidine tag at the Cterminus.

## **Organism**

Human

## **Expression Host**

**Human Cells** 

# **QC Testing**

# **Activity**

- 1. Measured by its binding ability in a functional ELISA.
- 2. Immobilized recombinant human EphB6 at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind human EphrinB1 with a linear range of 32-800 ng/ml.
- 3. Immobilized recombinant human EphB6 at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind human EphrinB2 with a linear range of 1.28-32 ng/ml.

## **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  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 17

#### **Molecular Mass**

The secreted recombinant human EphB6 consists of 574 amino acids and has a calculated molecular mass of 61.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhEphB6 is approximately 60-70 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**

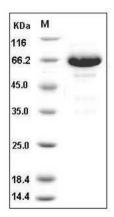
## **Storage**

Store it under sterile conditions at -20°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 EphB6 / EphB6 Protein (His Tag) SDS-PAGE