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

Catalog Number: 503223



#### **General Information**

#### Gene Name Synonym

Hepatoma transmembrane kinase; Tyrosineprotein 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 the fused Fc region of human IgG1 at the C-terminus.

## **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

#### **Activity**

Measured by its binding ability in a functional ELISA. Immobilized human EFNB2 at 2  $\mu$ g/ml (100  $\mu$ l/well) can bind human EphB4-Fc with a linear ranger of 1.56-12.5 ng/ml.

#### **Purity**

> 95 % 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 16

#### Molecular Mass

The recombinant human EphB4/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 762 amino acids and has a calculated molecular mass of 83.8 kDa. As a result of glycosylation, the rhEphB4/Fc monomer migrates as an approximately 105-115 kDa protein in SDS-PAGE under reducing conditions.

# **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**

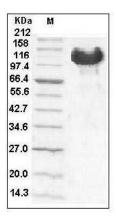
## **Storage**

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 EphB4 / HTK Protein (Fc Tag) SDS-PAGE