# Human EphA7/Eph Receptor A7 (His Tag) recombinant protein

Catalog Number: 502994



#### **General Information**

# Gene Name Synonym

EPH homology kinase 3; EPH-like kinase 11

# **Protein Construction**

A DNA sequence encoding the human EPHA7 (NP\_004431.1) extracellular domain (Met 1-Ile 556) was fused 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. Immobilized human EphA7 at 2  $\mu$ g/ml (100  $\mu$ l/well) can bind mouse EphrinA4 with a linear range of 0.08-10 ng/ml.

#### **Purity**

> 98 % 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**

Glu 28

#### **Molecular Mass**

The recombinant human EPHA7 consists of 540 amino acids and has a predicted molecular mass of 60.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EPHA7 is approximately 70-80 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**

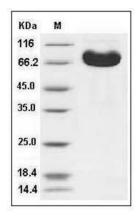
#### **Storage**

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 EphA7 / EHK3 Protein (His Tag) SDS-PAGE