## Human Tie2?CD202b?/TEK (His & Fc Tag) recombinant protein

Catalog Number: 503333



#### **General Information**

#### Gene Name Synonym

Endothelial tyrosine kinase; Tunica interna endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor TIE-2; p140 TEK

#### **Protein Construction**

A DNA sequence encoding the extracellular domain (Met 1-Lys 745) of human Tie2 (NP\_000450.2) precursor was fused with the C-terminal polyhistidine-tagged 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 recombinant human Angiopoietin-2 at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind Human Tie2 / Fc chimera with a range of 0.2-20  $\mu$ g/ml.

#### **Purity**

> 90 % 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 $^{\circ}$ C

#### **Predicted N terminal**

Ala 23

#### **Molecular Mass**

The recombinant human Tie2/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 970 amino acids and predicts a molecular mass of 108.5 kDa. As a result of glycosylation, the apparent molecular mass of rhTie2/Fc monomer is approximately 125-135 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

- 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

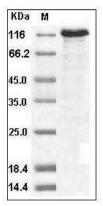
Adding sterile water, prepare a stock solution of  $0.25\ mg/ml$ . Concentration is measured by UV-Vis.

#### **SDS-PAGE**

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