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



Catalog Number: 502620

# **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 human TEK (NP\_000450) (Gln771-Ala1124) was fused with the N-terminal polyhistidine-tagged GST tag at the Nterminus.

# Organism

Human

# **Expression Host**

**Baculovirus-Insect Cells** 

# **QC Testing**

# Activity

1. No Kinase Activity

2. Measured by its binding ability in a functional ELISA. Immobilized human TEK (aa 771-1124) (Cat: 502620) at 2  $\mu$ g/ml (100  $\mu$ l/well) can bind human Ang2-Fc (Cat: 503602) with a linear range of 0.31-20  $\mu$ g/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  $^{\circ}\mathrm{C}$ 

# **Predicted N terminal**

Met

# **Molecular Mass**

The recombinant human TEK /GST chimera consists of 591 amino acids and has a calculated molecular mass of 68.3 kDa. The recombinant protein migrates as an approximately 64 kDa band in SDS-PAGE under reducing conditions.

# Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly

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**

KDa	М	
116		
66.2	-	-
45.0	-	
35.0	-	
25.0	-	
18.4	-	
14.4	_	

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Tag) SDS-PAGE