

# Mouse Tie2<sup>?</sup>CD202b<sup>?</sup>/TEK (aa 770-1122, His & GST Tag) recombinant protein



Catalog Number: 500928

## General Information

### Gene Name Synonym

Endothelial tyrosine kinase; HYK; STK1; 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 mouse TEK (Q02858) (Gln770-Ala1122) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. No Kinase Activity
2. Measured by its binding ability in a functional ELISA. Immobilized mouse TEK (aa 770-1122) (Cat: 500928) at 2 µg/ml (100 µl/well) can bind human Ang2-Fc (Cat: 503602) with a linear range of 0.25-2.0 µg/ml.

### Purity

> 91 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

Met

## Molecular Mass

The recombinant mouse TEK/GST chimera consists of 590 amino acids and has a calculated molecular mass of 68.2kDa. The recombinant protein migrates as an approximately 68 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

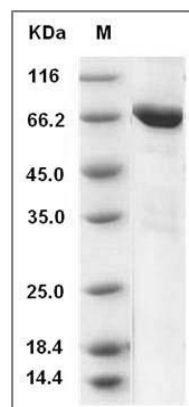
### Storage

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



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