

# Rat Tie2<sup>?</sup>CD202b<sup>?</sup>/TEK (Fc Tag) recombinant protein



Catalog Number: 502985

## General Information

### Protein Construction

A DNA sequence encoding the rat TEK (NP\_001099207.1) extracellular domain (Met 4-Leu 743) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized S1h-3C-mANGPT2 (Cat:501251) at 10 µg/mL (100 µL/well) can bind ratTEK-Fc. The EC<sub>50</sub> of ratTEK-Fc is 0.26-0.62µg/mL.

### Purity

> 95 % 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

Ala 23

### Molecular Mass

The recombinant rat TEK/Fc is a disulfide-linked homodimer. The reduced monomer comprises 962 amino acids and predicts a molecular mass of 108 kDa. The apparent molecular mass of the rat TEK/Fc monomer is approximately 120-130 kDa in SDS-PAGE under reducing conditions 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

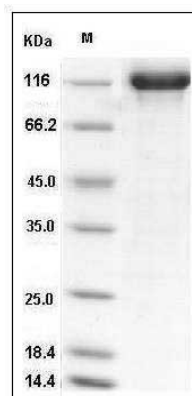
### Storage

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



Rat Tie2 / TEK Protein (Fc Tag) SDS-PAGE