# Mouse CD16-2/FCGR4 (His & AVI Tag) recombinant protein

Catalog Number: 503450



# **General Information**

# **Gene Name Synonym**

Protein Fcgr4

#### **Protein Construction**

The amino acid sequence corronding to (Met 1-Gln 203) of mouse FCGR4 (NP\_653142.2) was fused with a c-terminal polyhistidine tagged AVI tag at the C-terminus.

# **Organism**

Mouse

# **Expression Host**

**Human Cells** 

# QC Testing

# **Activity**

Measured by its binding ability in a functional ELISA.

Immobilized mouse CD16-2-AVI-His (cat:503450) at 10  $\mu$ g/ml (100  $\mu$ l/well) can bind recombinant human IgG1 (Fc) (Cat:500583). The EC<sub>50</sub> of human IgG1 (Fc) (Cat:500583) is 0.34-0.78  $\mu$ g/ml.

# **Purity**

> 97 % 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 19

#### **Molecular Mass**

The recombinant mouse FCGR4 consists of 214 amino acids and has a predicted molecular mass of 24.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmFCGR4 is approximately 25-35 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**

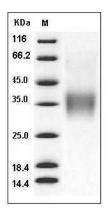
# **Storage**

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**



Mouse CD16-2 / FCGR4 Protein (His & AVI Tag) SDS-PAGE