

Mouse CD64/FCGR1 (His & AVI Tag) recombinant protein



Catalog Number: 500286

General Information

Gene Name Synonym

Fc-gamma RI

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Pro 297) of mouse FCGR1 (NP_034316.1) 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 CD64-AVI at 10 µg/ml (100 µl/well) can bind biotinylated human IgG1, The EC₅₀ of biotinylated human IgG1 is 0.07-0.15 µg/ml.

Purity

> 97 % 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

Glu 25

Molecular Mass

The recombinant mouse FCGR1 consists of 308 amino acids after removal of the signal peptide and has a predicted molecular mass of 34.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm FCGR1 is approximately 45-50 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

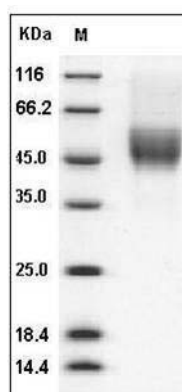
Storage

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



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