

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



Catalog Number: 501626

General Information

Gene Name Synonym

Protein Fcgr4

Protein Construction

The amino acid sequence corresponding 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. The expressed protein was biotinylated in vivo by the Biotin-Protein ligase (BirA enzyme) which is co-expressed.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind human IgG1 (Fc) (Cat:500583) in a functional ELISA.
2. Labeling ratio of biotin to protein: 0.6

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

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 35-40 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

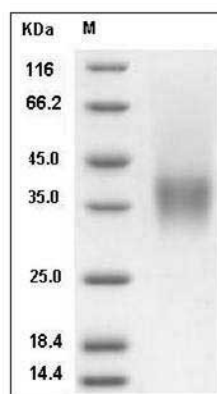
Storage

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),
Biotinylated SDS-PAGE