

Human CD64/FCGR1 (His Tag) recombinant protein



Catalog Number: 500238

General Information

Gene Name Synonym

Fc-gamma RI; Fc-gamma RIA

Protein Construction

A DNA sequence encoding the extracellular domain of human CD64A (NP_000557.1) (Met 1-Pro 288) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized CD64 at 10 µg/ml can bind human IgG1 with a linear range of 0.39-25 ng/ml.
2. Scatchard analysis showed the affinity constant (Kd) of CD64 bound to Human IgG1 was 0.059 nM.

Purity

> 90 % 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

Gln 16

Molecular Mass

The recombinant human CD64A consists of 284 amino acids and has a predicted molecular mass of 32 kDa.

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

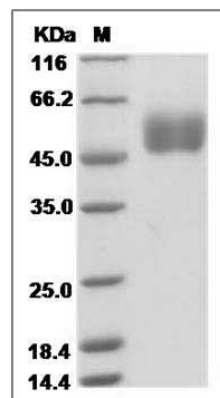
Storage

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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