

# Human CD64/FCGR1 (His & AVI Tag) recombinant protein



Catalog Number: 503724

## General Information

### Gene Name Synonym

Fc-gamma RI; Fc-gamma RIA

### Protein Construction

A DNA sequence encoding the extracellular domain of human CD64 (NP\_000557.1) (Met 1-Thr 287) 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

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant CD64-AVI-His (Cat:#503724) at 10 µg/ml (100 µl/well) can human IgG1 with a linear range of 1.56-50 ng/ml.
3. Labeling ratio of biotin to protein: 1.09.

### 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 secreted recombinant human CD64 consists of 307 amino acids and has a predicted molecular mass of 34.4 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

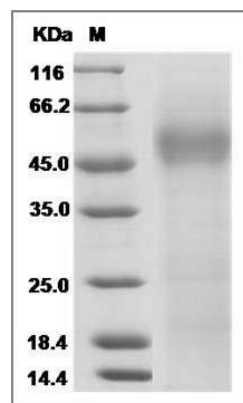
### Storage

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



Human CD64 / FCGR1A Protein (His & AVI Tag),  
Biotinylated SDS-PAGE