# 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 coexpressed.

### **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  $\mu g/ml$  (100  $\mu l/well$ ) 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  $\mu g$  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

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**

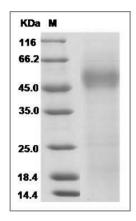
## **Storage**

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