

## General Information

### Gene Name Synonym

IgG Fc receptor I; Fc-gamma RI; FcRI; Fc-gamma RIA; FcgammaRIa; CD antigen CD64

### Protein Construction

A DNA sequence encoding the human FCGR1A (NP\_000557.1) (Met1-Pro288) was expressed with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

### Organism

Human

### Expression Host

CHO Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized biotinylated Human CD64 Protein (Cat#514814) at 10 µg/mL can bind human IgG1. The EC<sub>50</sub> of human IgG1 is 6-14 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per µg 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 FCGR1A consists of 284 amino acids and predicts a molecular mass of 32.1 kDa.

### Formulation

Lyophilized from sterile PBS.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

2. Please contact us for any concerns or special requirements.

## Usage Guide

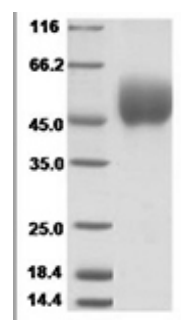
### Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human CD64/Fc gamma RI Protein 15336