

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.

Organism

Human

Expression Host

CHO Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized Human CD64 Protein (Cat#514919) at 10 µg/mL can bind human IgG1, The EC₅₀ 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, pH 7.4.

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

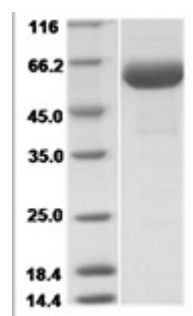
Storage

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 / FCGR1A Protein (His Tag)