

Biotinylated Recombinant Human Fc gamma RI /FCGR1/CD64 Protein

Catalog No.: RP00483B

Sequence Information

Species	Gene ID
Human	2209
Swiss Prot	Tags
P12314-1	C-His&Avi

Synonyms

CD64; CD64a; Fc gamma RI; FCG1; Fc-gamma RIA; FCGR1; FcγRI; FCRI; FcRIA; FLJ18345; FCGR1A; IGFR1; Fcγ; Fcγr; FCE1A; FcERI

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
33.5 kDa	55-68 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The Fc gamma Rs have been divided into three classes based on close relationships in their extracellular domains; these groups are designated Fc gamma? RI (also known as CD64), Fc gamma? RII (CD32), and Fc gamma? RIII (CD16). Each group may be encoded by multiple genes and exist in different isoforms depending on species and cell type.

Basic Information

Description

Biotinylated Recombinant Human Fc gamma RI/FCGR1/CD64 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln16-Pro288) of Human Fc gamma RI/CD64 (Accession #P12314-1) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

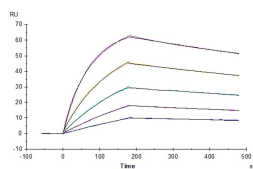
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

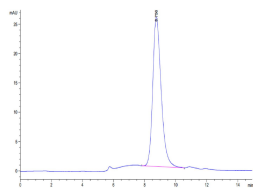
Contact

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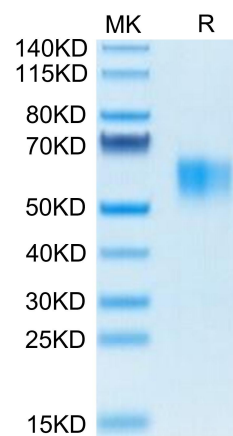
Validation Data



Biotinylated Human Fc gamma RI, His-Avi Tag captured on CM5 Chip via Anti-His Antibody can bind Trastuzumab with an affinity constant of 0.91 nM as determined in SPR assay (Biacore T200).



The purity of Biotinylated Human Fc gamma RI is greater than 95% as determined by SEC-HPLC.



Biotinylated Recombinant Human Fc gamma RI/FCGR1/CD64 Protein was determined by Tris-Bis PAGE under reducing conditions.