

Recombinant Human Fc-gamma RIII alpha/FCGR3A/CD16a (F176V) (107-189) Protein

Catalog No.: RP00476 **Recombinant**

Sequence Information

Species Human **Gene ID** 2214 **Swiss Prot** AAH17865

Tags

C-mFc

Synonyms

Fc gamma RIIIA; FCGR3; FCGR3A; FCGRIII; FcgRIIIA; FcR-10; CD16A; FCG3; IGRF3; FcRIIIa; FcRIII; CD16; IMD20

Background

Human Fc gamma RIIIA/CD16a Protein is a receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.

Basic Information

Description

Recombinant Human Fc-gamma RIII alpha/FCGR3A/CD16a (F176V) (107-189) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly107-Thr189(F176V)) of Human Fc-gamma RIII alpha/FCGR3A/CD16a (F176V) (107-189) (Accession #AAH17865) fused with a C-mFc tag at the C-terminus.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

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

Product Information

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

Calculated MW	Observed MW
35.29 kDa	40-50 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

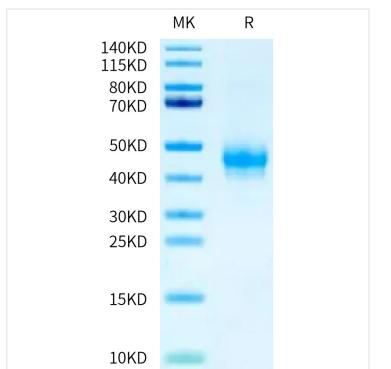
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot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

Contact

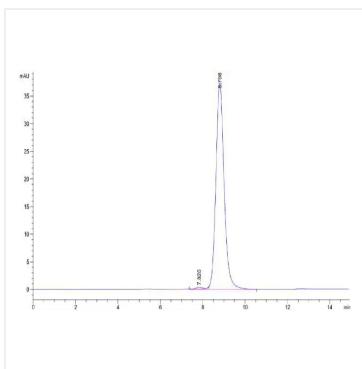
	400-999-6126
	cn.market@abclonal.com.cn



Validation Data



Recombinant Human Fc-gamma RIII
alpha/FCGR3A/CD16a (F176V) (107-189)
Protein was determined by Tris-Bis PAGE
under reducing conditions.



The purity of Human Fc gamma RIII (V176)
Domain 2 Protein is greater than 95% as
determined by SEC-HPLC.