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

Catalog No.: RP00476

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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; IGFR3; FcRIIIa; FcRIII; CD16; IMD20

Product Information

Source
HEK293 cells

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

Calculated MW
35.29 kDa

Observed MW
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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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℃

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

Contact

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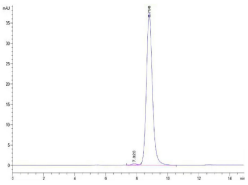
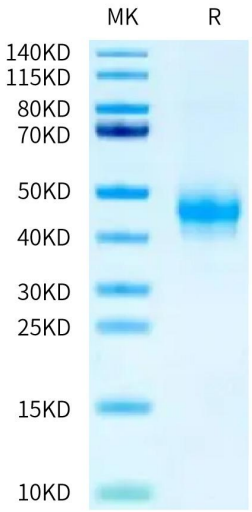
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



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



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