

Recombinant Human Fc-epsilon RI-alpha/FCER1A Protein

Catalog No.: RP00489

Sequence Information

Species **Gene ID**
Human 2205

Swiss Prot **Tags**
P12319-1 C-hFc

Synonyms
Fc-epsilon RI-alpha; FcERI;
FCER1A; FCE1A

Product Information

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

Calculated MW **Observed MW**
47.8 kDa 70-78 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

Known susceptibility genes to atopy and asthma have been identified by linkage or associations with clinical phenotypes, including total serum IgE levels. IgE-mediated sensitivity reactions require a high-affinity IgE receptor (FcεRI), which immobilizes the immunoglobulin on the surface of the effector cells, mostly mast cells and basophils. Similarly to the previously investigated beta subunit of the receptor, FCER1A is a good candidate for a quantitative trait locus (QTL) in allergic diseases, and appears to participate in the systemic regulation of IgE levels.

Basic Information

Description

Recombinant Human Fc-epsilon RI-alpha/FCER1A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val26-Gln205) of Human Fc-epsilon RI-alpha/FCER1A (Accession #P12319-1) fused with a C-hFc 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.

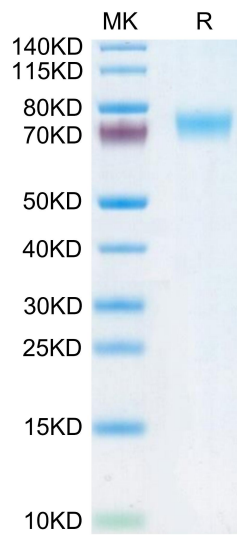
Contact

☎ | 400-999-6126

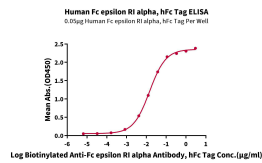
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

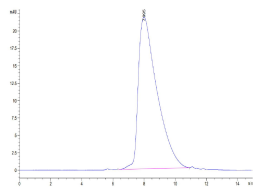
Validation Data



Recombinant Human Fc-epsilon RI-alpha/FCER1A Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human Fc epsilon RI alpha, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-Fc epsilon RI alpha Antibody, hFc Tag with the EC₅₀ 14.5ng/mL determined by ELISA.



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