

For Research Use Only

# Recombinant Mouse Fc-epsilon RI-alpha (FcERI) protein (rFc Tag)



Catalog Number: Eg1740

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<1.0 EU/ µg protein, LAL method

**Source:**  
HEK293-derived Mouse Fc-epsilon RI-alpha (FcERI) protein Ala24-Gln204 (Accession# P20489) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
14125

**Accession:**  
P20489

**Predicted Molecular Mass:**  
47.3 kDa

**SDS-PAGE:**

**Formulation:**  
Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Fc fragment of IgE, high affinity I<sub>h</sub> receptor for, alpha polypeptide, also known as high affinity immunoglobulin epsilon receptor subunit alpha, FCER1A and FCE1A, is a single-pass type I membrane protein which contains 2 immunoglobulin-like domains. FCER1A is a subunit of the IgE receptor, which is composed of one glycosylated alpha (FCER1A), one beta (FCER1B), and two gamma (FCER1G) subunits. The high affinity IgE receptor plays a central role in allergic disease, coupling allergen and mast cells to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma.

## References

1. S S Saini, et al. (2001) J Allergy Clin Immunol. May;107(5):832-41.
2. Natalija Novak, et al. (2003) J Clin Invest. Apr;111(7):1047-56.
3. M C Seminario, et al. (1999) J Immunol. Jun 1;162(11):6893-900.

## Synonyms

## Selected Validation Data

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For technical support and original validation data for this product please contact

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