

Mouse Fc epsilon RI alpha/FCER1a Protein

Cat. No. FER-MM201

Description

Source	Recombinant Mouse Fc epsilon RI alpha/FCER1a Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala24-Gln204.
Accession	P20489
Molecular Weight	The protein has a predicted MW of 47.7 kDa. Due to glycosylation, the protein migrates to 68-72 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

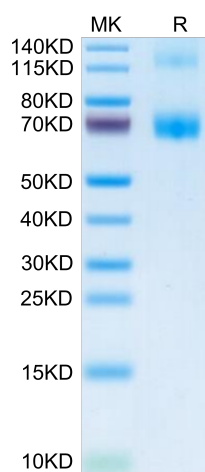
Formulation	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

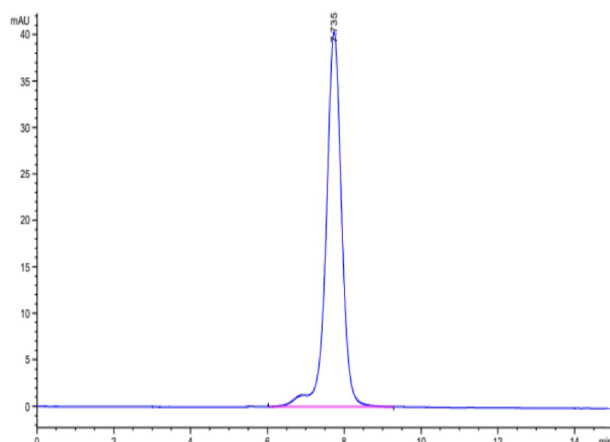
Assay Data

Bis-Tris PAGE



Mouse Fc epsilon RI alpha/FCER1a on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse Fc epsilon RI alpha/FCER1a is greater than 95% as determined by SEC-HPLC.