Datasheet for ABIN7271662

Fc epsilon RI/FCER1A Protein (His tag)

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Overview

Quantity:	100 µg
Target:	Fc epsilon RI/FCER1A (FCER1A)
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fc epsilon RI/FCER1A protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Fc epsilon RI alpha Protein, His Tag (SPR verified)
Sequence:	Val 29 - Lys 204
Characteristics:	Cynomolgus Fc epsilon RI alpha, His Tag (FCA-C52H9) is expressed from human 293 cells (HEK293). It contains AA Val 29 - Lys 204 (Accession # A0A7N9DA09-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	SPR verified

Target Details

Target:	Fc epsilon RI/FCER1A (FCER1A)
Alternative Name:	Fc epsilon RI alpha (FCER1A Products)
Background:	Synonyms:FCER1A,FCE1A,FcERI,Description:High affinity immunoglobulin epsilon receptor

Target Details

	subunit alpha (FCER1A) is also known as Fc-epsilon RI-alpha (FcERI), IgE Fc receptor subunit alpha, FCE1A. FCER1A contains two Ig-like (immunoglobulin-like) domains. FCER1A binds to the Fc region of immunoglobulins epsilon and is a high affinity receptor. FCER1A is responsible for initiating the allergic response, which binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators (such as histamine) responsible for the manifestations of allergy. The same receptor also induces the secretion of important lymphokines. FCER1A plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma.
Molecular Weight:	22.3 kDa
Pathways:	Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 22.3 kDa. The protein migrates as 35-55 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C