Datasheet for ABIN7519979

Fc epsilon RI/FCER1A Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	Fc epsilon RI/FCER1A (FCER1A)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Fc epsilon RI/FCER1A protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse Fc-epsilon RI-alpha/FCER1A Protein
Sequence:	ATEKSVLTLD PPWIRIFTGE KVTLSCYGNN HLQMNSTTKW IHNGTVSEVN SSHLVIVSAT VQDSGKYICQ KQGLFKSKPV YLNVTQDWLL LQTSADMVLV HGSFDIRCHG WKNWNVRKVI YYRNDHAFNY SYESPVSIRE ATLNDSGTYH CKGYLRQVKY ESDKFRIAVV KAYKCKYYWL Q
Specificity:	Ala24-Gln204
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	Fc epsilon RI/FCER1A (FCER1A)
Alternative Name:	Fc-epsilon RI-alpha/FCER1A (FCER1A Products)

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Target Details

Background:	Description: FCER1A is the alpha subunit of the immunoglobulin epsilon receptor (IgE receptor). IgE receptor is a high affinity IgE receptor which 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. The allergic response occurs when 2 or more IgE receptors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. A perturbation occurs that brings about the release of histamine and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes--potent effectors of the hypersensitivity response. IgE receptor is comprised of an alpha subunit(FcERI), a beta subunit, and two gamma subunits. FcERI is glycosylated and contains 2 Ig-like (immunoglobulin-like) domains. Name: FCE1A,FcERI,FCER1A
Gene ID:	14125
UniProt:	P20489
Pathways:	Fc-epsilon Receptor Signaling Pathway, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex 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.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for 12 months.|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.