

Recombinant Human MS4A2 293 Cell Lysate

Cat. No. MS4A2-4126HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide) (MS4A2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

MS4A2 membrane-spanning 4-domains, subfamily A, member 2 [Homo sapiens]

Official Symbol

MS4A2

Synonyms

MS4A2; membrane-spanning 4-domains, subfamily A, member 2; APY, FCER1B, IgE responsiveness (atopic) , IGER, membrane spanning 4 domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide); high affinity immunoglobulin epsilon receptor subunit beta; Fc fragment of IgE; high affinity I; receptor for; beta polypeptide; MS4A1; igE Fc receptor subunit beta; high affinity IgE receptor beta subunit; immunoglobulin E receptor, high affinity, beta polypeptide; Fc fragment of IgE, high affinity I, receptor for; beta polypeptide; High affinity immunoglobulin epsilon receptor beta-subunit (FcERI) (IgE Fc receptor, beta-subunit) (Fc epsilon receptor I beta-chain); APY; IGEL; IGER; ATOPY; FCERI; IGHER; FCER1B;

Gene ID

2206

mRNA Refseq

NM_000139

Protein Refseq

NP_000130

MIM

147138

UniProt ID

Q01362

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Chromosome Location	11q12-q13
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem;
Function	IgE binding; SH2 domain binding; calcium channel activity; phosphoprotein binding; protein kinase binding; receptor activity;

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