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Product Information

MemDX™ Membrane Protein Human MS4A2 (Membrane spanning 4-domains A2) Full Length

Cat. No.: **MPC1110K**
This product is for research use only and is not intended for diagnostic use.

This product is a 26.5 kDa Human MS4A2 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
MS4A2

Protein Length
Full length

Protein Class
Receptor

Molecular Weight
26.5 kDa

TMD
4

Sequence
MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTW
LTVLKKEQEFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGY
PFWGAIFFSISGMLSIISERRNATYLVRGSLGANTASSIAGGTGITILII
NLKKSLAYIHIHSCQKFFETKCFMASFSTEIVVMMLFLTILGLGSAVSLT
ICGAGEELKGNKVPEDRVYEELNIYSATYSELEDPGEMSPPIDL

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MS4A2

Full Name

Membrane spanning 4-domains A2

Introduction

The allergic response involves the binding of allergen to receptor-bound IgE followed by cell activation and the release of mediators responsible for the manifestations of allergy. The IgE-receptor, a tetramer composed of an alpha, beta, and 2 disulfide-linked gamma chains, is found on the surface of mast cells and basophils. This gene encodes the beta subunit of the high affinity IgE receptor which is a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This family member is localized to 11q12, among a cluster of membrane-spanning 4A gene family members. Alternative splicing results in multiple transcript variants encoding distinct proteins. Additional transcript variants have been described but require experimental validation.

Alternative Names

MS4A2; APY; IGEL; IGER; ATOPY; FCERI; IGHER; MS4A1; FCER1B; high affinity immunoglobulin epsilon receptor subunit beta; 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); high affinity IgE receptor beta subunit; igE Fc receptor subunit beta; immunoglobulin E receptor, high affinity, beta polypeptide; membrane-spanning 4-domains subfamily A member; Membrane spanning 4-domains A2

Gene ID

2206

UniProt ID

Q01362

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