

Recombinant Full Length Human MS4A2 Protein, GST-tagged

Cat. No. MS4A2-6540HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MS4A2 full-length ORF (NP_000130.1, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	244 amino acids
Description	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 family members. Alternative splicing results in multiple transcript variants encoding different isoforms
Molecular Mass	52.9 kDa
AA Sequence	MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLLKSASSPPLHTWLTVLKKE QEFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYFPWGAIFFSISGMLSIIIS

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ERRNATYLVRGSLGANTASSIAGGTGITILIINLKSLAYIIHSCQKFFETKCFMASFS
TEIVVMMFLTLGLGSAVSLTICGAGEELKGNKVPEDRVYEELNIYSATYSELEDPGE
MSPPIDL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; IGHF; FCER1B;

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Gene ID	2206
mRNA Refseq	NM_000139
Protein Refseq	NP_000130
MIM	147138
UniProt ID	Q01362

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