

# Recombinant Full Length Human MS4A2 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human MS4A2 full-length ORF ( NP_000130.1, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	244 amino acids
<b>Description</b>	<p>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</p>
<b>Molecular Mass</b>	52.9 kDa
<b>AA Sequence</b>	MDTESNRRANLALPQEPSSVPAFEVLEISPQEVSSGRLKKSASSPPLHTWLTVLKKE QFLGVTQILTAMICLCFGTVVCSVLDISHIEGDIFSSFKAGYPFWGAIFFSISGMLSIIIS

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ERRNATYLVRGSLGANTASSIAGGTGITILIINLKKSLAYIHIHSCQKFFETKCFMASFS  
TEIVVMMLFLTILGLGSAVSLTICGAGEELKGNKVPEDRVYEELNIYSATYSELEDPGE  
MSPPIDL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MS4A2 membrane-spanning 4-domains, subfamily A, member 2 [ Homo sapiens ]
<b>Official Symbol</b>	MS4A2
<b>Synonyms</b>	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;



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

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