

Datasheet for ABIN7562948

MS4A2 Protein (AA 1-235) (His tag)



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Overview

Quantity:	1 mg
Target:	MS4A2
Protein Characteristics:	AA 1-235
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MS4A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ms4a2 Protein expressed in mammalian cells.
Sequence:	MDTENRSRAD LALPNPQESS SAPDIELLEA SPAKAAPPKQ TWRTFLKKEL EFLGATQILV GLICLCFGTI VCSVLYVSDF DEEVLLLYKL GYPFWGAVLF VLSGFLSIIS ERKNTLYLVR GSLGANIVSS IAAGTGIAML ILNLTNNFAY MNNCKNVTED DGCFVASFTT ELVLMMLFLT ILAFCSAVLF TIYRIGQELE SKKVPDDRLY EELNVYSPIY SELEDKGETS SPVDS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MS4A2
Alternative Name:	Ms4a2 (MS4A2 Products)
Background:	High affinity immunoglobulin epsilon receptor subunit beta (FcERI) (Fc epsilon receptor I beta-chain) (IgE Fc receptor subunit beta) (Membrane-spanning 4-domains subfamily A member 2),FUNCTION: High affinity receptor that binds to the Fc region of immunoglobulins epsilon. Aggregation of FCER1 by multivalent antigens is required for the full mast cell response, including the release of preformed mediators (such as histamine) by degranulation and de novo production of lipid mediators and cytokines. Also mediates the secretion of important lymphokines. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators responsible for the manifestations of allergy. {ECO:0000269 PubMed:19001085}.
Molecular Weight:	26.0 kDa
UniProt:	P20490
Pathways:	Fc-epsilon Receptor Signaling Pathway , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months