

Datasheet for ABIN7562940
CD20 Protein (AA 1-291) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	CD20 (MS4A1)
Protein Characteristics:	AA 1-291
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD20 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ms4a1 Protein expressed in mammalian cells.
Sequence:	<p>MSGPFPAEPT KGPLAMQPAP KVNLRKRTSSL VGPTQSFFMR ESKALGAVQI MNGLFHITLG</p> <p>GLLMIPTGVF APICLSVWYP LWGGIMYIIS GSLLA AAAEK TSRKSLVKAK VIMSSLSLFA</p> <p>AISGIILSIM DILNMTLSHF LKMRRLELIQ TSKPYVDIYD CEPNSNSEKN SPSTQYCNSI</p> <p>QSVFLGILSA MLISAFFQKL VTAGIVENEW KRMCTRSKSN VVLLSAGEKN EQTIKMKEEI</p> <p>IELSGVSSQP KNEEEIEIIP VQEEEEEEAE INFAPPQEQ ESLPVENEIA P Sequence without tag.</p> <p>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.</p>
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:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- 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:	made-to-order

Target Details

Target:	CD20 (MS4A1)
Alternative Name:	Ms4a1 (MS4A1 Products)
Background:	<p>B-lymphocyte antigen CD20 (B-cell differentiation antigen Ly-44) (Lymphocyte antigen 44) (Membrane-spanning 4-domains subfamily A member 1) (CD antigen CD20),FUNCTION: B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes. Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR. {ECO:0000250 UniProtKB:P11836}.</p>
Molecular Weight:	32.0 kDa
UniProt:	P19437

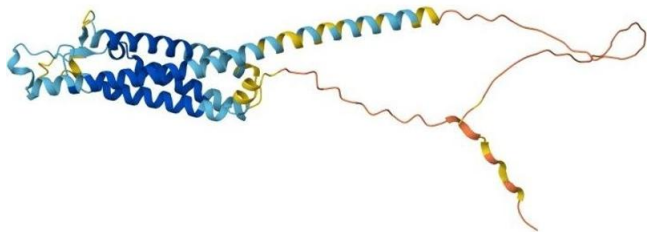
Application Details

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

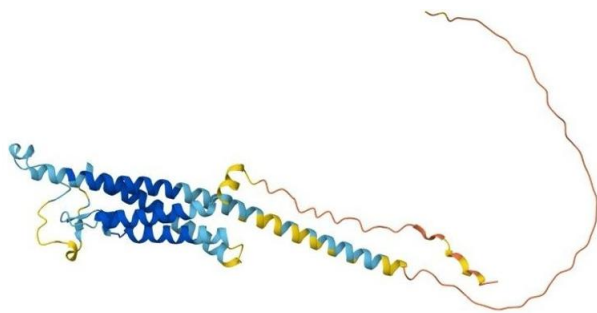
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



Protein Structure

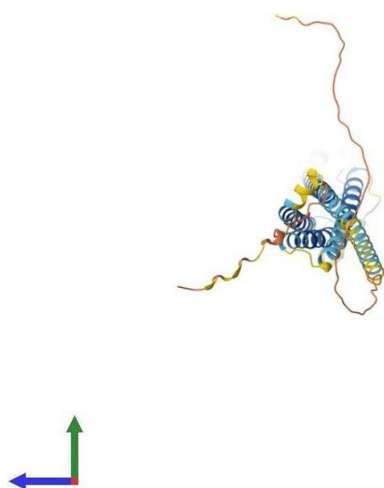
Image 1. AlphaFold protein structure prediction of Mouse Recombinant Ms4a1 Protein, UniprotID P19437



Protein Structure

Image 2. AlphaFold protein structure prediction of Mouse Recombinant Ms4a1 Protein, UniprotID P19437





Protein Structure

Image 3. AlphaFold protein structure prediction of Mouse Recombinant Ms4a1 Protein, UniprotID P19437