

Product Information

MemDX™ Membrane Protein Biotinylated Human MS4A1 (Membrane spanning 4-domains

A1) Expressed in HEK293, Nanodisc, Full Length

Cat. No.: **MPX0384K**

This product is for research use only and is not intended for diagnostic use.

This product is a 36.9 kDa Biotinylated Human MS4A1 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

MS4A1

Protein Length

Full length

Protein Class

Receptor

Molecular Weight

36.9 kDa

TMD

4

Sequence

MTTPRNSVNGTFPAEPMKGPIAMQSGPKPLFRRMSSLVGPTQSFFMRESK
TLGAVQIMNGLFHIALGGLLMIPAGIYAPICVTWYPLWGGIMYIISGSL
LAATEKNSRKCLVKGKMIMNSLSLFAAISGMILSIMDILNIKISHFLKME
SLNFIRAHTPYINIYNCEPANPSEKNSPSTQYCYSIQSLFLGILSVMLIF
AFFQELVIAGIVENEWKRTCSRPKSNIVLLSAEEKKEQTIEIKEEVVGLT
ETSSQPKNEEDIEIPIQEEEEEEETETNFPEPPQDQESSPIENDSSP

Product Description

Activity

Yes

Expression Systems

HEK293

Tag

His and Avi tag at the C-terminus

Protein Format

Nanodisc

Form

Liquid

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Buffer

Supplied as 0.2 µm filtered solution in 20 mM HEPES, 150 mM NaCl, pH7.5 with trehalose as protectant.

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**

MS4A1

Full Name

Membrane spanning 4-domains A1

Introduction

This gene encodes 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 gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

Alternative Names

MS4A1; B1; S7; Bp35; CD20; FMC7; CVID5; MS4A2; LEU-16; B-lymphocyte antigen CD20; B-lymphocyte cell-surface antigen B1; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; membrane-spanning 4-domains, subfamily A, member 1; Membrane spanning 4-domains A1

Gene ID

[931](#)

UniProt ID

[P11836](#)