

## Product datasheet for **RC220638**

### MS4A3 (NM\_001031809) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MS4A3 (NM\_001031809) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** MS4A3  
**Synonyms:** CD20L; HTM4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC220638 representing NM\_001031809  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCTCCCACGAAGTTGATAATGCAGAGCTGGGGTCAGCCTCTGCCATGGTACCCAGGCAGTGAGG  
CGGGACCAGAAGAGCTGAATACTTCTGTCTACCAGCCCATAGATGGATCACCAGATTATCAGAAAGCAAA  
ATTACAAGTTCTGGGTTCTGTAGTTCAGGAACCTTGTCTGTTGTAGCAGGGATAAAACCCACAAGAACA  
TGGATACAGAACAGTTTTGGAATGAACATTGCCAGTGCTACAATTGCACTAGTGGGGACTGCTTTTCTCT  
CACTAAATATAGCAGTTAATATCCAGTCATTAAGGAGTTGCACTCTTCATCAGAGTCACCGGACCTATG  
CAATTACATGGGCTCCATATCAAATGGCATGGTGTCTCTACTGCTGATTCTCACCTTGCTGGAATTATGC  
GTAACCATCTCTACCATAGCCATGTGGTGCAATGCAAACCTGCTGTAATCAAGAGAGGAAATTCCTCAC  
CTCCCAATTCTGTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC220638 representing NM\_001031809  
Red=Cloning site Green=Tags(s)

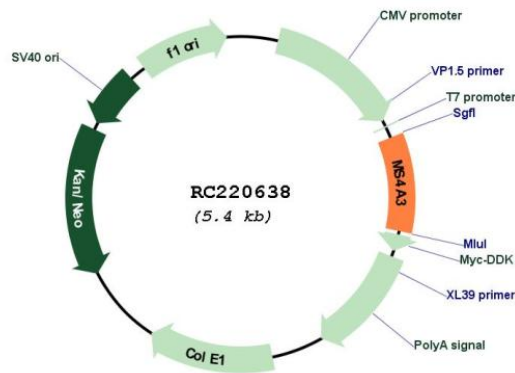
MASHEVDNAELGSASAHGTPGSEAGPEELNTSVYQPIDGSPDYQKAKLQVLGFCSSGTLVVAGIKPTRT  
WIQNSFGMNIASATIALVGTAFLSLNIAVNIQSLRSCHSSSESPDL CNYMGSISNGMVSLLLILLLELC  
VTISTIAMWCNANCCNSREEISSPPNSV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001031809

**ORF Size:** 504 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001031809.1</a></u> , <u><a href="#">NP_001026979.1</a></u>
<b>RefSeq Size:</b>	1527 bp
<b>RefSeq ORF:</b>	507 bp
<b>Locus ID:</b>	932
<b>UniProt ID:</b>	<u><a href="#">Q96HJ5</a></u>
<b>Cytogenetics:</b>	11q12.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	17.4 kDa
<b>Gene Summary:</b>	This gene encodes a member of the membrane-spanning 4A gene family. Members of this 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 likely plays a role in signal transduction and may function as a subunit associated with receptor complexes. The gene encoding this protein is localized to 11q12, among a cluster of related family members. Alternative splicing may result in multiple transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]