

## Product datasheet for **SC302523**

### MS4A3 (NM\_001031666) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A3 (NM_001031666) Human Untagged Clone
Tag:	Tag Free
Symbol:	MS4A3
Synonyms:	CD20L; HTM4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001031666, the custom clone sequence may differ by one or more nucleotides</p> <p>ATGAACATTGCCAGTGCTACAATTGCACTAGTGGGGACTGCTTTTCTCTCACTAAATATA GCAGTTAATATCCAGTCATTAAGGAGTTGTCACCTTCATCAGAGTCACCGGACCTATGC AATTACATGGGCTCCATATCAAATGGCATGGTGTCTCTACTGCTGATTCTCACCTTGCTG GAATTATGCGTAACCATCTCTACCATAGCCATGTGGTGAATGCAAACTGCTGTAATTCA AGAGAGGAAATTCCTCACCTCCCAATTCTGTGTAA</p>
Restriction Sites:	Please inquire
ACCN:	NM_001031666
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	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).
Reconstitution Method:	<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>



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RefSeq: [NM\\_001031666.1](#), [NP\\_001026836.1](#)

RefSeq Size: 1356 bp

RefSeq ORF: 276 bp

Locus ID: 932

UniProt ID: [Q96HJ5](#)

Cytogenetics: 11q12.1

Protein Families: Druggable Genome, Transmembrane

**Gene Summary:** 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]

Transcript Variant: This variant (3) lacks two alternate exons, compared to variant 1. These differences cause translation initiation at a downstream ATG and result in an isoform (c) with a shorter N-terminus compared to isoform a.