

## Product datasheet for **SC306347**

### MS4A4A (NM\_148975) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A4A (NM_148975) Human Untagged Clone
Tag:	Tag Free
Symbol:	MS4A4A
Synonyms:	4SPAN1; CD20-L1; CD20L1; HDCME31P; MS4A4; MS4A7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_148975 edited ATGCATCAGACCTACAGCAGACATTGCAGGCCTGAAGAAAGCACCTTTTCTGCTGCCATG ACAACCATGCAAGGAATGGAACAGGCCATGCCAGGGCTGGCCCTGGTGTGCCCCAGCTG GGAACATGGCTGCATACATTCACATCTGTGGAAGGATTGCAAGAGAAGTTCTTGAAG GGAGAACCCAAAGTCCTTGGGGTTGTGCAGATTCTGACTGCCCTGATGAGCCTTAGCATG GGAATAACAATGATGTGTATGGCATCTAATACTTATGGAAGTAACCCTATTTCCGTGTAT ATCGGGTACACAATTTGGGGTCAAGTAATGTTTATTATTTTCAGGATCCTTGTCAATTGCA GCAGGAATTAGAACTACAAAAGGCCTGGTCCGAGGTAGTCTAGGAATGAATATCACCAGC TCTGTACTGGCTGCATCAGGGATCTTAATCAACACATTTAGCTTGGCGTTTTATTCATTC CATCACCCCTACTGTAACACTATGGCAACTCAAATAATTGTCATGGGACTATGTCCATC TTAATGGGTCTGGATGGCATGGTCTCCTTAAGTGTGCTGGAATTCTGCATTGCTGTG TCCTCTCTGCCTTTGGATGTAAAGTGCTCTGTTGTACCCTGGTGGGGTTGTGTTAATT CTGCCATCACATTCTCACATGGCAGAAACAGCATCTCCCACACCCTTAATGAGGTTTGA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_148975 unedited          NAACGATTTATTTGTATACCACTTATATAGGCGGCCGCGNAATTCGCACGAGGAAGCATC          AGACCTACAGCAGACATTGCAGGCCTGAAGAAACACCTTTTCTGCTGCCATGACAACCAT          GCAAGGAATGGAACAGGCCATGCCAGGGCTGGCCCTGGTGTGCCCCAGCTGGGAAACAT          GGCTGTCATACATTACATCTGTGGAAGGATTGCAAGAGAAGTCTTGAAGGGAGAACC          CAAAGTCTTGGGGTTGTGCAGATTCTGACTGCCCTGATGAGCCTTAGCATGGGAATAAC          AATGATGTGTATGGCATCTAATACTTATGGAAGTAACCCATTTTCCGTGTATATCGGGTA          CACAATTTGGGGTCAGTAATGTTTATTATTTTCAGGATCCTTGTCAATTGCAGCAGGAAT          TAGAACTACAAAAGCCCTGGTCCGAGGTAGTCTAGGAATGAATATCACCGCTCTGTACT          GGCTGCATCAGGGATCTTAATCAACACATTTAGCTTGGCGTTTTATTTCATTCCATCACCC          TTAAGTAACTACTATGGCAACTCANATAATTGTCATGGGACTATGTCCATCTTAATGGG          TCTGGATGGCATGGTCTCCTCTTAAGTGTGCTGGAATTCTGCATTGCTGTGCCCTCTC          TGCCTTTGGATGTAAGTGTCTGTTGTACCCCTGGTGNNGTTGTNGTAATTCTGCCATC          ACATTCTCACATGGCAGAAACAGCATCTCCACACCACTTAATGAAGTTTGAGGCCACC          AAAAGATCAACAGACAAATGCTCCAGAAATCTATGCTGACTGTGACACAAGAGCCTCACA          TGAGAAATTACCAAGTTTCCAACCTCGATACTGATAGACTGNNTGATATATNATATATGT          AN</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;Forward primer walk for NM_148975 unedited          GGGNCTTGTCTCTTATGGTCTGGNTGGCATGGTGTCTCTTAATGTGCTGNGATTCT          GCATTGCTGTGCCCTCTCTGCCCTTGGATGTAAGTGTCTGTTGTACCCCTGGTGGG          TTGTGTTAATTCTGCCATCACATTCTCACATGGCAGAAACAGCATCTCCACACCACTTA          ATGAGGTTTGAGGCCACCAAAAGATCAACAGACAAATGCTCCAGAAATCTATGCTGACTG          TGACACAAGAGCCTCACATGAGAAATTACAGTATCCAACCTTCGATACTGATAGACTTGT          TGATATTATTATATGTAATCCAATTATGAACTGTGTGTATAGAGAGATAAATAATT          CAAAATTATGTTCTATTTTTTCCCTGGAACCAATAACTCATTTCACTGGCTCTTTAT          CGAGAGTACTAGAAGTTAAATTTATAATAATGCATTTAATGA</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_148975
<b>Insert Size:</b>	1500 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>

RefSeq: [NM\\_148975.1](#), [NP\\_683876.1](#)

RefSeq Size: 1543 bp

RefSeq ORF: 720 bp

Locus ID: 51338

UniProt ID: [Q96JQ5](#)

Cytogenetics: 11q12.2

Protein Families: Druggable Genome, Transmembrane

**Gene Summary:** This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features, similar intron/exon splice boundaries, and display unique expression patterns in hematopoietic cells and nonlymphoid tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) represents the predominant transcript, and encodes the longest isoform (1).