

## Product datasheet for **SC122865**

### MS4A12 (NM\_017716) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MS4A12 (NM\_017716) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MS4A12  
**Synonyms:** Ms4a10  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_017716 edited  
GCAGAGAAAGAGGAAACATAGAGGTGCCAAAGGAACAAAGACATAATGATGTCATCCAAG  
CCAACAAGCCATGCTGAAGTAAATGAAACCATACCCAACCTTACCCACCAAGCAGCTTT  
ATGGCTCCTGGATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAGGGT  
GCTCAGCGTGCTCAGCCCTACGGCATCACATCTCCGGAATCTTTGCTAGCAGTCAACCG  
GGTCAAGGAAATATACAAATGATAAATCCAAGTGTGGAAACAGCAGTAATGAACTTTAAA  
GAAGAAGCAAAGGCACTAGGGGTGATCCAGATCATGGTTGGATTGATGCACATTGGTTTT  
GGAATTGTTTTGTGTTAATATCCTTCTCTTTAGAGAAGTATTAGGTTTTGCCTCTACT  
GCTGTTATTGGTGGATACCCATTCTGGGGTGGCCTTTCTTTTATTATCTCTGGCTCTCTC  
TCTGTGCAGCATCCAAGGAGCTTCCCGTTGTCTGGTAAAAGGCAGCCTGGGAATGAAC  
ATTGTTAGTTCTATCTTGGCCTTATTGGAGTGATTCTGCTGCTGGTGGATATGTGCATC  
AATGGGGTAGCTGGCCAAGACTACTGGCCGTGCTTTCTGGAAAAGGCATTTACGCCACG  
CTGATGATCTTCTCCCTCTTGGAGTTCTTCGTAGCTTGTGCCACAGCCATTTTGCCAAC  
CAAGCAAACACCACAATAATATGTCTGTCTGGTTATTCCAAATATGTATGAAAGCAAC  
CCTGTGACACCAGCGTCTTCTCAGCTCCTCCAGATGCAACAATACTCAGCTAATGCC  
CCTAAATAGTAAAAGAAAAGGGGTATCAGTCTAATCTCATGGAGAAAACTACTTGCAA  
AACTTCTTAAGAAGATGTCTTTTATTGTCTACAATGATTCTAGTCTTTAAAACTGTG  
TTTGAGATTTGTTTTAGGTTGGTCGCTAATGATGGCTGTATCTCCCTTCACTGTCTCTT  
CCTACATTACCACTACTACATGCTGGCAAAGGTGAAGGATCAGAGGACTGAAAAATGATT  
CTGCAACTCTCTTAAAGTTAGAAATGTTTCTGTTTCATATTACTTTTTCTTAATAAAATG  
TCATTAGAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_017716 unedited GCAGNANAAANAGGAAACATAGAGGTGCCAAAGGAACAAAGACATAATGATGTCATCCAA GCCAACAGCCATGCTGAAGTAAATGAAACCATACCCAACCCCTTACCCACCAAGCAGCTT TATGGCTCCTGCTATTTCAACAGCCTCTGGGTTCAATCAACTTAGAAAACCAAGCTCAGG GTGCTCAGCGTGCTCAGCCCTACGGCATCACATCTCCGGGAATCTTTGCTAGCAGTCAAC CGGGTCAAGGAAATATACAAATGATAAATCCAAGTGTGGGAACAGCAGTAATGAACTTTA AAGAAGAAGCAAAGGCACTAGGGGTGATCCAGATCATGGTTGGATTGATGCACATTGGTT TTGGAATTGTTTTGTGTTAATATCCTTCTCTTTTAGAGAAGTATTAGGTTTTGCCTCTA CTGCTGTATTGGTGGATACCCATTCTGGGGTGGCCTTTCTTTTATTATCTCTGGCTCTC TCTCTGTGTCAGCATCCAAGGAGCTTTCCCGTTGTCTGGTGAAGGCAGCCTGGGAATGA ACATTGTTAGTCTATCTTGGCCTTCATTGGAGTGATTCTGCTGCTGGTGGATATGTGCA TCAATGGGGTAGCTGGCCAAGACTACTGGGCCGTCTTTCTGGAAAAGCATTTCAGCCAC GCTGATGATCTTCTCCCTCTGGAGTTCTTCGTAGCTTGCCACAGCCCATTTTGCCAA CCAAGCAAACACCACAATAATGTCTGTCTGGTTATTCCAATATGTATGAAAGCAAC CCTGTGACAACAACGTCTGCTGCAGCTCCTCCAGTGCAACACCTACTCAACTAAGGCC N
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_017716
<b>Insert Size:</b>	1176 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>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>	<a href="#">NM_017716.1</a> , <a href="#">NP_060186.1</a>
<b>RefSeq Size:</b>	1182 bp
<b>RefSeq ORF:</b>	804 bp
<b>Locus ID:</b>	54860
<b>UniProt ID:</b>	<a href="#">Q9NXJ0</a>
<b>Cytogenetics:</b>	11q12.2
<b>Domains:</b>	CD20
<b>Protein Families:</b>	Druggable Genome, Transmembrane

**Gene Summary:**

The protein encoded by this gene is a cell surface protein found primarily in the apical membrane of colonocytes. Silencing of this gene in colon cancer cells inhibits the proliferation, cell motility, and chemotactic invasion of cells. This gene is part of a cluster of similar genes found on chromosome 11. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).