

## Product datasheet for **MC205535**

### Ms4a1 (NM\_007641) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ms4a1 (NM\_007641) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ms4a1  
**Synonyms:** AA960661; Cd20; Ly-44; Ms4a2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC028322  
 TGAGATAGAAGAGGCCAACTGATCTCAGCTGTGAGTGGCTAATTTGGCCCTTAAGCCTTGGAGCCTTGGAG  
 GCCTTGGAGACCCAGCGTTTAAAACTCAATGAGTGGACCTTTCCAGCAGAGCCTACAAAAGGTCCCC  
 TCGCCATGCAACCTGCTCCAAAAGTGAACCTCAAAGGACATCTTCACTGGTGGGCCCCACACAAAAGCTT  
 CTTTCATGAGGGAATCAAAGGCTTTGGGGCTGTCCAAATCATGAATGGCCTCTTCCATATTACCCTGGGG  
 GGACTGCTGATGATCCCCACAGGGGTCTTCGCACCCATCTGTTTGAGTGTATGGTACCCTCTCTGGGGAG  
 GCATTATGTACATTATTTCAAGATCACTCTGGCAGCTGCAGCAGAAAAACCTCCAGGAAGAGTTTGGT  
 CAAAGCAAAGTGATAATGAGCTCTCTAAGCCTTTTGTGCCATTTCTGGAATAATTCTTTCAATCATG  
 GACATACTAACATGACACTTTCTCATTTTTAAAAATGAGAAGACTGGAGCTTATTCAAACCTCCAAGC  
 CGTATGTTGATATCTACGACTGTGAACCATCTAATTCCTCAGAGAAAACTCCCATCTACACGTAAGT  
 TAACAGCATTGATCTGTGTTCTTGGGCATTCTGTGCGGATGCTGATCTCTGCCTTCTCCAGAACTT  
 GTGACAGCTGGTATTGTGGAGAATGAGTGGAAAAGAATGTGTACCAGATCCAAATCTAATGTGGTTCTGC  
 TGTGAGCTGGAGAAAAAATGAGCAGACGATTAATAATGAAAGAAGAAATCATTGAGCTAAGTGGAGTATC  
 TTCCCAACCAAAGAATGAAGAGGAAATGAAATATTCCAGTGCAGGAGGAAGAAGAAGAAGAAGCAGAA  
 ATAAATTTTCCAGCACCTCCCAAGAGCAGGAATCCTTGGCAGTGGAAAAATGAGATCGCTCCTTAAACTC  
 TTTTCTTTTCTAAGCATTATTGTTTAGAGAGCTTCCAAGACACATAGTTACCCTCATCTCTGTGGCCTT  
 CCACAATCTATTCTCATATTTTACAGCTTAACCTTGCATAGAGAAGCCACATCTAGCTCTCCTTACAC  
 TTTGAAGAATGCAGTGATTATAAAAGATTGTCTTTTGCCTTGTAGGGAGTCTTACACTGGCAGAAACG  
 CTGAAGAATCCAATTCTCATTACCTTTTCTTGGATGTGTGCTCAGTGTGATGATGTTTTCGCGA  
 TTTCTCCATCAGCAGTTACAGCAGAGGAAAAGACACATGACTGTTCTGTTTCATCTCTGAACCTCTGA  
 CTCTCTTTCATGTTTGGTGGAGTCCCTTTTGCATGATTGTCTTAAAGAATATGAGAGAAATGTTTAAT  
 GAGAATTGTTTTAATAATGAGAGAAAAATGAGACACCTATATGCCTGTGGGGAAGGCACAAAAATGGCAT  
 GTTCTTCAAGCTTCTGTGTCCCCTTGGGAAGCTGTGAAAGGCCTAGTCCTAAGTCTGTCTGTACAAA  
 AAGCATAGCTTACACATAAGCAAGTTTTCATGTCTTAACTTTGCCATCTCCAGTTTCTTGGCTTCTGGTC  
 ACATCGTTTATGTATTTGTATTCTTTAGTCAAGAGAAAAAGAATGGTGAGACAGAAATGTAATGGGTTCC  
 CCAGATCTCAAATCCTAAGCAACAGCTGTGCTTTGAGATTCTTTCCAAATGGCAGAGTAGTTTATTTGGT  
 CTTTCATGATTCACAAAAA



[View online »](#)

<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_007641
<b>Insert Size:</b>	876 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="#">BC028322</a> , <a href="#">AAH28322</a>
<b>RefSeq Size:</b>	1781 bp
<b>RefSeq ORF:</b>	876 bp
<b>Locus ID:</b>	12482
<b>UniProt ID:</b>	<a href="#">P19437</a>
<b>Cytogenetics:</b>	19 8.19 cM
<b>Gene Summary:</b>	B-lymphocyte-specific membrane protein that plays a role in the regulation of cellular calcium influx necessary for the development, differentiation, and activation of B-lymphocytes. Functions as a store-operated calcium (SOC) channel component promoting calcium influx after activation by the B-cell receptor/BCR.[UniProtKB/Swiss-Prot Function]