

Product datasheet for **SC111808**

MS4A4A (NM_024021) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A4A (NM_024021) 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 within SC111808 sequence for NM_024021 edited (data generated by NextGen Sequencing)

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ATGACAACCATGCAAGGAATGGAACAGGCCATGCCAGGGGCTGGCCCTGGTGTGCCCCAG
CTGGGAAACATGGCTGTCATACATTCACATCTGTGGAAAGGATTGCAAGAGAAGTTCTTG
AAGGGAGAACCCAAAGTCTTGGGGTTGTGCAGATTCTGACTGCCCTGATGAGCCTTAGC
ATGGGAATAACAATGATGTGTATGGCATCTAATACTTATGGAAGTAACCCATTTCCGTG
TATATCGGGTACACAATTTGGGGTTCAGTAATGTTTATTATTCAGGATCCTTGTCAATT
GCAGCAGGAATTAGAACTACAAAAGGCCTGGTCCGAGGTAGTCTAGGAATGAATACACC
AGCTCTGACTGGCTGCATCAGGGATCTTAATCAACACATTTAGCTTGGCGTTTTATTCA
TTCCATCACCCCTTACTGTAACACTACTATGGCAACTCAAATAATTGTCATGGGACTATGTC
ATCTTAATGGGTCTGGATGGCATGGTGCTCCTCTTAAGTGTGCTGGAATTCTGCATTGCT
GTGTCCCTCTCTGCCTTTGGATGTAAAGTCTCTGTTGTACCCCTGGTGGGGTTGTGTTA
ATTCTGCCATCACATTCTCACATGGCAGAAACAGCATCTCCACACCACTTAATGAGGTT
TGA
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Clone variation with respect to NM_024021.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024021 unedited NGGGGGGNNNNCCCCCCCCCGGTTCAAATTGTATACGACTCATATAGGCGGC CGCGAAATTCGCACGAGCAGAATACANCAGAAATTGCAGGCCTGAAGAAACACCTTTTC TGCTGCCATGACAACCATGCAAGGAATGGAACAGGCCATGCCAGGGGCTGGCCCTGGTGT GCCCCAGCTGGGAAACATGGCTGTCATACATTCACATCTGTGGAAAGGATTGCAAGAGAA GTTCTTGAAGGGAGAACCAAGTCCTTGGGGTTGTGCAGATTCTGACTGCCCTGATGAG CCTTAGCATGGGAATAACAATGATGTGTATGGCATCTAATACTTATGGAAGTAACCCCTAT TTCCGTGTATATCGGGTACACAATTTGGGGTTCAGTAATGTTTATTATTCAGGATCCTT GTCAATTGCAGCAGGAATTAGAACTACAAAAGGCCTGGTCCGAGGTAGTCTAGGAATGAA TATCACCAGCTCTGACTGGCTGCATCAGGGATCTTAATCAACACATTTAGCTTGGCGTT NTATTCATTCCATCACCCTTACTGTAATACTACTATGGCAACTCANATAATTGCATGGGAC TATGTCCATCTTAATGNGTCTGGATGGCATGGTGCCTCTTAAGTGTGCTGGAATTCTG CATTGTGCTGTCCCTCTCTGCCTTTTGATGTAAGTGCTCTGTTGTACCCCTGGTGGNGT TGTGNTAATTCTGCCATCACATTCTCACATGGCAGAAAACAGCATCTNCCACACCACTAAA TGAGTTTGANGCCACAAAAGATCACAGACAANTGCTNCAGAAATCTATGCTGACTGTGA ACACAAGACCTNACATGAGAAAATACAGTATCCAACCTTCGATACTGATAGAACTGTGATA TTATTATTAAGGTAATCCAATATGAACTGTGTGTATAGAAAGAAATAAATNCAAAAT TATGTNCCATTNTTTTCTGGAATCATAACTA
Restriction Sites:	NotI-NotI
ACCN:	NM_024021
Insert Size:	1100 bp
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).
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"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_024021.2</u> , <u>NP_076926.2</u>
RefSeq Size:	1619 bp
RefSeq ORF:	663 bp
Locus ID:	51338
UniProt ID:	<u>Q96JQ5</u>
Cytogenetics:	11q12.2
Domains:	CD20

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 (2) contains an additional exon at the 5' end compared to variant 1. This results in translation initiation from an in-frame downstream AUG, and an isoform (2) with a shorter N-terminus compared to isoform 1.