

Product datasheet for **SC100297**

MS4A6A (NM_152851) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MS4A6A (NM_152851) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MS4A6A |
| Synonyms: | 4SPAN3; 4SPAN3.2; CD20L3; CDA01; MS4A6; MST090; MSTP090 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC100297 sequence for NM_152851 edited (data generated by NextGen Sequencing) |

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ATGACATCACAACCTGTTCCCAATGAGACCATCATAGTGCTCCCATCAAATGTCATCAAC
TTCTCCCAAGCAGAGAAACCCGAACCCACCAACCAGGGCAGGATAGCCTGAAGAAACAT
CTACACGCAGAAATCAAAGTTATTGGGACTATCCAGATCTTGTGTGGCATGATGGTATTG
AGCTTGGGGATCATTTTGGCATCTGCTTCTTCTCCAAATTTTACCCAAGTGACTTCT
ACACTGTTGAACTCTGCTTACCCATTTCATAGGACCCTTTTTTTTTATCATCTCTGGCTCT
CTATCAATCGCCACAGAGAAAAGTTGACCAAGCTTTTGGTGCATAGCAGCCTGGTTGGA
AGCATTCTGAGTGCTCTGTCTGCCCTGGTGGGTTTCATTATCCTGTCTGTCAAACAGGCC
ACCTTAAATCCTGCCTCACTGCAGTGGAACTCTCTCTGATGCTGATTTGCACTCTGCT
GGAATTCTGCCTAGCTGTGCTCACTGCTGTGCTGCGGTGAAACAGGCTTACTCTGA
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Clone variation with respect to NM_152851.1
327 a=>g



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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_152851 unedited TATAGGGCGGCCGGAATTCGGCACGAGGCTTTCANAAGATGAAGGTAAGTAGAAACCGT TGATGGGACTGAGAAACCAGAGTTAAAACCTCTTTGGAGCTTCTGAGGACTCAGCTGGAA CCAACGGGCACAGTTGGCAACACCATCATGACATCACAACTGTTCCCAATGAGACCATC ATAGTGTCCCATCAAATGTCATCAACTTCTCCAAGCAGAGAAACCCGAACCCACCAAC CAGGGGCAGGATAGCCTGAAGAAACATCTACACGCAGAAATCAAAGTTATTGGGACTATC CAGATCTTGTGTGGCATGATGGTATTGAGCTTGGGGATCATTTTGGCATCTGCTTCCTTC TCTCCAAATTTTACCCAAGTGACTTCTACACTGTTGAACCTGCTTACCCATTCATAGGA CCCTTTTTTTTTATCATCTCTGGCTCTCTATCAATCGCCACAGAGAAAAGTTGACCAAG CTTTTGGTGCATAGCAGCCTGGTTGGAAGCATTCTGAGTCTCTGTCTGCCCTGGTGGGT TTCATTATCCTGTCTGTCAAACAGGCCACCTTAAATCCTGCCTACTGCAGTGTGAGTTGG ACAAAATATATACCACAAGAAGNTATGTTTCTTACTTTTATCATGATTCACTNTATACCA CGGACTGTATACAGCCAAAGCCAGTCTGGCTGGAACCTCTCTCTGATGCTGATNTGCA CTCTGCTGGAATTCTGCTAGCTGGCTCACTGCTGGCCTGCGGTGGAACAGGCTACTCTGA CTTCTGGGNGAANTGTCTGGGCGGCTCACTTAACCTGGCTANNGATCCTATCCTGCA CTGGGTTGAGTTGCACCANGATTGGTGAAGGACAACCAGCATCCGAGATCCTG |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_152851 |
| 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_152851.1</u> , <u>NP_690590.1</u> |
| RefSeq Size: | 1460 bp |
| RefSeq ORF: | 537 bp |
| Locus ID: | 64231 |
| UniProt ID: | <u>Q9H2W1</u> |
| 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 and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. The gene encoding this protein is localized to 11q12.1, among a cluster of family members. Alternative splicing of this gene results in several transcript variants that encode different protein isoforms. [provided by RefSeq, Oct 2011]

Transcript Variant: This variant (3) utilizes an alternate splice site in the 3' coding region, compared to variant 1, which results in a frameshift. This transcript encodes isoform 3, which has a shorter and distinct C-terminus.