

Product datasheet for **SC315408**

MS4A6A (NM_022349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A6A (NM_022349) Human Untagged Clone
Tag:	Tag Free
Symbol:	MS4A6A
Synonyms:	4SPAN3; 4SPAN3.2; CD20L3; CDA01; MS4A6; MST090; MSTP090
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315408 representing NM_022349. Blue=Insert sequence Red=Cloning site Green=Tag(s)

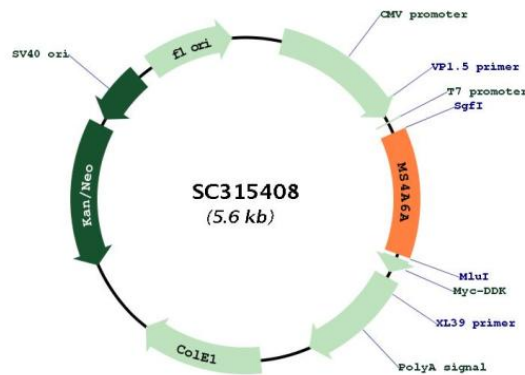
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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GCAGAGAAACCCGAACCCACCAACCAGGGGCAGGATAGCCTGAAGAAACATCTACACGCAGAAATCAA
GTTATTGGGACTATCCAGATCTTGTGTGGCATGATGGTATTGAGCTTGGGGATCATTGGCATCTGCT
TCCTTCTCCTCAAATTTACCCAAGTGACTTCTACACTGTTGAACTCTGCTTACCCATTCATAGGACCC
TTTTTTTTATCATCTCTGGCTCTCTATCAATCGCCACAGAGAAAAGTTAACCAAGCTTTTGGTGCAT
AGCAGCCTGGTTGGAAGCATTCTGAGTGCTCTGTCTGCCCTGGTGGGTTTCATTATCCTGTCTGTCAA
CAGGCCACCTTAAATCCTGCCTCACTGCAGTGTGAGTTGGACAAAATAATATACCAACAAGAAGTTAT
GTTTCTTACTTTTATCATGATTCATTTATACCACGGACTGCTATACAGCCAAAGCCAGTCTGGCTGGA
ACTCTCTCTGTATGCTGATTTGCACTCTGCTGGAATTCTGCCTAGCTGTGCTCACTGCTGTGCTGCGG
TGGAAACAGGCTTACTCTGACTTCCCTGGGGTGTGCTGGCCGGCTTCACTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_022349

Insert Size: 678 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:

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: [NM_022349.3](#)

RefSeq Size:	1562 bp
RefSeq ORF:	678 bp
Locus ID:	64231
UniProt ID:	Q9H2W1
Cytogenetics:	11q12.2
Domains:	CD20
Protein Families:	Druggable Genome, Transmembrane
MW:	24.3 kDa

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 (2) is shorter on the 5' end and differs in the 3' end, compared to variant 1. This results in a shorter isoform (2) with a distinct C-terminus, compared to isoform 1.