

Product datasheet for **SC326786**

MS4A12 (NM_001164470) Human Untagged Clone

Product data:

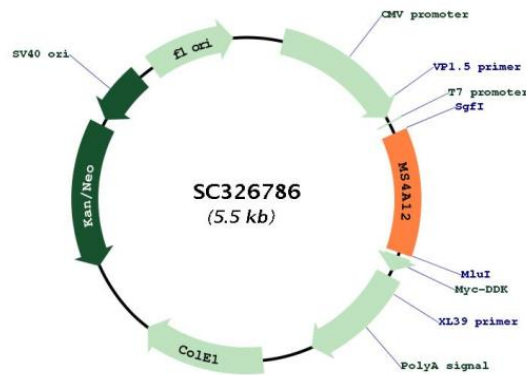
Product Type:	Expression Plasmids
Product Name:	MS4A12 (NM_001164470) Human Untagged Clone
Tag:	Tag Free
Symbol:	MS4A12
Synonyms:	Ms4a10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326786 representing NM_001164470. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATGTCATCCAAGCCAACAAGCCATGCTGAAGTAAATGAAACCATACCCAACCCTTACCCACCAAGC
AGCTTTATGGCTCCTGGATTTCAACAGCCTCTGGGTTCAATCACTTAGAAAACCAAGCTCAGGGTGCT
CAGCGTGCTCAGCCCTACGGCATCACATCTCCGGGAATCTTTGCTAGCAGTCAACCGGTC AAGGAAAT
ATACAAATGATAAATCCAAGTGTGGGAACAGCAGTAATGAACTTTAAAGAAGAAGCAAAGGCACTAGGG
TTTATTATCTCTGGCTCTCTCTGTGTCAGCATCCAAGGAGCTTCCCCTTGTCTGGTGAAGGCAGC
CTGGGAATGAACATTGTTAGTTCTATCTTGGCCTTCATTGGAGTGATTCTGCTGCTGGTGGATATGTGC
ATCAATGGGGTAGCTGGCCAAGACTACTGGCCGTGCTTTCTGGAAAAGGCATTTAGCCACGCTGATG
ATCTTCTCCCTCTTGAGTTCTTCGTAGCTTGTGCCACAGCCATTTTGCCAACCAAGCAAAACACCACA
ACCAATATGTCTGTCTGGTTATTCCAATATGTATGAAAGCAACCCTGTGACACCAGCGTCTTCTTCA
GCTCCTCCAGATGCAACAACACTACTCAGCTAATGCCCTAAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001164470

Insert Size: 666 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_001164470.1](#)

RefSeq Size: 1044 bp

RefSeq ORF: 666 bp

Locus ID: 54860

UniProt ID: [Q9NXJ0](#)

Cytogenetics: 11q12.2

Protein Families: Druggable Genome, Transmembrane

MW: 23.2 kDa

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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.