

Product datasheet for **RG212066**

MS4A7 (NM_206939) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MS4A7 (NM_206939) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MS4A7
Synonyms: 4SPAN2; CD20L4; CFFM4; MS4A8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG212066 representing NM_206939
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTATTACAATCCCAAACCATGGGGTTTCTCACAGCTTTACACCAAAGGGCATCACTATCCCTCAA
 GAGAGAAACCTGGACACATGTACCAAACGAAGATTACCTGCAGAACGGGCTGCCAACAGAAACCACCGT
 TCTTGGGACTGTCCAGATCCTGTGTTGCCTGTTGATTTCAAGTCTGGGGCCATCTGGTTTTTGTCTCC
 TACCCCTCCCACTTCAATCCAGCAATTTCCACCCTTTGATGTCTGGGTACCCATTTTTAGGAGCTCTGT
 GTTTTGGCATTACTGGATCCCTCTCAATTATCTCTGAAAACAATCAACTAAGCCCTTTGACCTGAGCAG
 CTTGACCTCAAATGCAGTGAGTTCTGTTACTGCAGGAGCAGGCCTCTTCCTCCTTGCTGACAGCATGGTA
 GCCCTGAGGACTGCCTCTCAACATTGTGGCTCAGAAATGGATTATCTATCCTCATTGCCTTATTCGGAGT
 ACTATTATCCAATATATGAAATCAAAGATTGTCTCCTGACCAGTGTCAAGTTAACAGGTGTCTAGTGGT
 GATGCTCATCTTCACTGTGCTGGAGCTCTATTAGCTGCATACAGTTCTGTCTTTTGGTGGAAACAGCTC
 TACTCAAACAACCTGGGAGTTCAATTTTCTCGACCCAGTCACAAGATCATATCCAACAGGTCAAAAAGA
 GTTCTTCAGGTCTTGGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212066 representing NM_206939
Red=Cloning site Green=Tags(s)

MLLSQSQTMGVSHSFTPKGITIPQREKPGHMYQNEDYLQNLPTETTTLGTVQILCCLLISSLGAILVFAP
 YPSHFNPAAISTTLMSGYPFLGALCFGITGSLSIISGKQSTKPFDLSSLTSNAVSSVTAGAGLFLADSMV
 ALRTASQHCSEM DY LSSLPYSEYYYYPIYEIKDCLLTSVSLTGVLVVMLIFTVLELLLLAAYSSVFWWKQL
 YSNP GSSFSSTQSQDHIQQVKKSSRSWI

TRTRPLE - GFP Tag - V

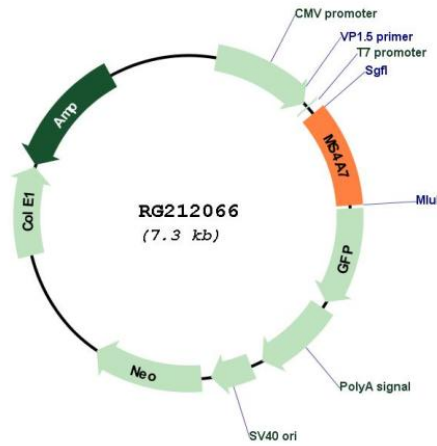
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_206939

ORF Size: 720 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_206939.2
RefSeq Size:	2976 bp
RefSeq ORF:	723 bp
Locus ID:	58475
UniProt ID:	Q9GZW8
Cytogenetics:	11q12.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a member of the membrane-spanning 4A gene family, members of which are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns in hematopoietic cells and nonlymphoid tissues. This family member is associated with mature cellular function in the monocytic lineage, and it may be a component of a receptor complex involved in signal transduction. This gene is localized to 11q12, in a cluster of other family members. At least four alternatively spliced transcript variants encoding two distinct isoforms have been observed. [provided by RefSeq, Jul 2008]