

Product datasheet for **RG219671**

MS4A10 (NM_206893) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A10 (NM_206893) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MS4A10
Synonyms:	CD20L7; MS4A9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219671 representing NM_206893 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAGCAGAAGCCACAGTTATCCCAGCCGTTGTGCTAGGGGGCTCCCATCATGGCAAGTCTCAGCC
CAGTCCAGCCCTGGCAGACAAGTGCACCCAGAACACGACCCAGCCCAAGCTCCTGGCTCCACACCAGCA
CGATAAGTCCCAGAAGAAGAGCAGCCTTCTTAAGGAGCTGGGGGCCTCCACATCACCATCGCTCTGCTG
CACCTGGTCTTTGGGGGCTACCTGGCCTCTATAGTCAAGAACCTTCACCTGGTGGTCTGAAGTCTTGGT
ATCCATCTGGGGGGCTGCCTCTTTTCTCATTTTCAGGGATCTTGGCGATAACAATGAAGACCTTTTCTAA
AACTTACCTGAAGATGTTGTGCCTGATGACAAACCTCATCAGCCTCTTTTGCCTGCTGTCTGGCCTCTTC
GTCATCTCCAAGGATCTCTTTCTGGAGAGCCCATTTGAGTCCCGATCTGGAGAATGTACCCCAACTCCA
CGGTCCACATCCAGAGGCTGGAGCTGGCCTTGCTCTGCTTCACTGTCTAGAGCTCTTCTGCCAGTGCC
CACAGCTGTACAGCCTGGAGAGGGGACTGCCCATCTGCAAAGAATGATGATGCATGCCTTGTCCGAAT
ACACCATTCATCTCAAAGGCTGCCGGTGGAGCCCCGCCATCTACCAGAGTGTGATTCAAGGCGACG
CACAACACAAGCAACATCAGAGGCTCAGAGAAGTTAAGCAAGTTGCCCGGACACATGGATAGTCACTGA
CGGAGCTGCGATCTGGGCCAGACTGCAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219671 representing NM_206893
Red=Cloning site Green=Tags(s)

MKAEATVIPSRCARGLPSWQVLSVPVQPWQTSAPQNTTQPKLLAPHQHDKSQKSSLLKELGAFHITIAL
 HLVFGGYLASIVKNLHLVVLKSWYPFWGAASF LISGILAITMKTFSKTYLKMLCLMTNLISLFCVLSGLF
 VISKDLFLESPFESPIWRMYPNSTVHIQRLELALLCFTVLELFLPVPTAVTAWRGDCPSAKNDDACLVPN
 TPLHLKGLPVEPPPSYQSVIQGDAQHKHQRLREVKQVAPDTWIVTDGAAIWAQTAN

TRTRPLE - GFP Tag - V

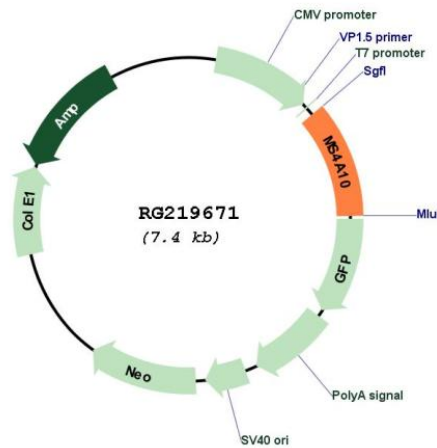
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_206893

ORF Size: 801 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_206893.2
RefSeq Size:	2287 bp
RefSeq ORF:	804 bp
Locus ID:	341116
UniProt ID:	Q96PG2
Cytogenetics:	11q12.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	Most MS4A genes, including MS4A10, encode proteins with at least 4 potential transmembrane domains and N- and C-terminal cytoplasmic domains encoded by distinct exons.[supplied by OMIM, Apr 2004]