

Product datasheet for **RG203339**

MS4A3 (NM_001031666) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MS4A3
Synonyms:	CD20L; HTM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG203339 representing NM_001031666
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCCACGAAGTTGATAATGCAGAGCTGGGGTCAGCCTCTGCCCATGGTACCCAGGCAGTGAGG
CGGGACCAGAAGAGCTGAATACTTCTGTCTACAGCCCATAGATGGATCACCAGATTATCAGAAAGCAAA
ATTACAAGTTCTTGGGGCCATCCAGATCCTGAATGCAGCAATGATTCTGGCTTTGGGTGTCTTTCTGGGT
TCCTTGCAATACCCATACCACTTCCAAAAGCACTTCTTTTCTTCACCTTCTACACAGGCTACCCGATTT
GGGGTGCTGTGTTTTCTGTAGTTTCAGGAACCTTGCTGTTGTAGCAGGGATAAAACCCACAAGAACATG
GATACAGAACAGTTTTGGAATGAACATTGCCAGTGCTACAATTGCACTAGTGGGACTGCTTTTCTCTCA
CTAAATATAGCAGTTAATCCAGTCATTAAGGAGTTGCTACTCTTCATCAGAGTCACCGGACCTATGCA
ATTACATGGGCTCCATATCAAATGGCATGGTGTCTCTACTGCTGATTCTCACCTTGCTGGAATTATGCGT
AACCATCTCTACCATAGCCATGTGGTGCAATGCAAAGTCTGTAATTCAAGAGAGGAAATTTCTCACCT
CCCAATTCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203339 representing NM_001031666
Red=Cloning site Green=Tags(s)

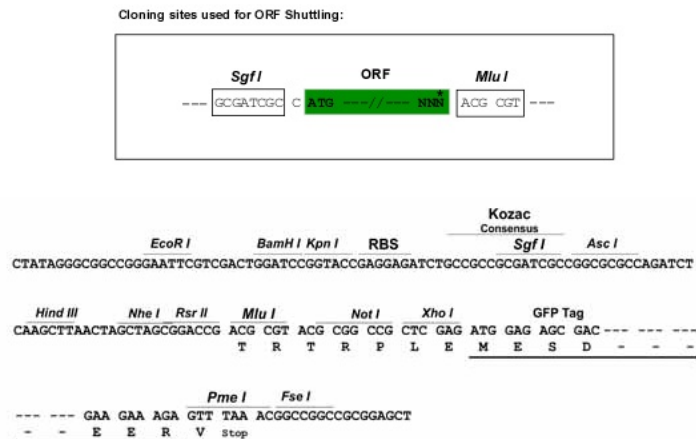
MASHEVDNAELGSASAHGTPGSEAGPEELNTSVYQPIDGSPDYQKAKLQVLGAIQILNAAMILALGVFLG
SLQYPYHFQKHFFFTFYTGPIWGAVFFCSSLVSVAGIKPTRTWIQNSFGMNIASATIALVGTAFLS
LNIAVNIQSLRSCHSSSESPDLCNYMGSISNGMVSLLLILTLELCVTISTIAMWCNANCCNSREEISSP
PNSV

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001031666

ORF Size: 642 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001031666.1](#), [NP_001026836.1](#)

RefSeq Size: 1356 bp

RefSeq ORF: 276 bp

Locus ID: 932

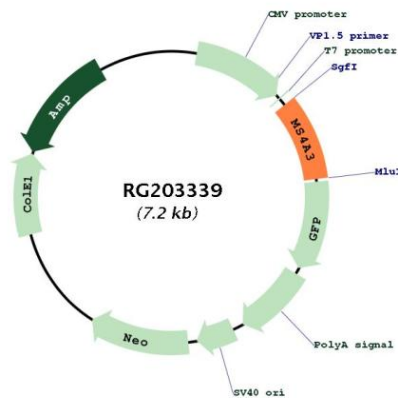
UniProt ID: [Q96HJ5](#)

Cytogenetics: 11q12.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the membrane-spanning 4A gene family. Members of this 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. This family member likely plays a role in signal transduction and may function as a subunit associated with receptor complexes. The gene encoding this protein is localized to 11q12, among a cluster of related family members. Alternative splicing may result in multiple transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203339