

## Product datasheet for **RG232290**

### MS4A6A (NM\_001247999) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A6A (NM_001247999) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MS4A6A
Synonyms:	4SPAN3; 4SPAN3.2; CD20L3; CDA01; MS4A6; MST090; MSTP090
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232290 representing NM_001247999 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTTTTACTGAAGTTGCTAGAAGTTTACAGAAAAGGAAGTGCAGGAACATTTACAAAATCTACAATCT  
TTGGCAACACCATCATGACATCACAACTGTTCCCAATGAGACCATCATAGTGCTCCCATCAAATGTCAT  
CAACTTCTCCAAGCAGAGAAACCCGAACCCACCAACCAGGGGCAGGATAGCCTGAAGAAACATCTACAC  
GCAGAAATCAAAGTTATTGGGACTATCCAGATCTTGTGTGGCATGATGGTATTGAGCTTGGGGATCATT  
TGGCATCTGCTTCTTCTCCTCAAATTTACCCAAGTACTTCTACACTGTTGAACTCTGCTTACCCATT  
CATAGGACCCTTTTTTTTATCATCTCTGGCTCTCTATCAATCGCCACAGAGAAAAGGTTAACCAAGCTT  
TTGGTGCATAGCAGCCTGGTTGGAAGCATTCTGAGTGTCTGTCTGCCCTGGTGGTTTCATTATCTGT  
CTGTCAAACAGGCCACCTAAATCCTGCCTCACTGCAGTGTGAGTTGGACAAAAATAATATACCAACAAG  
AAGTTATGTTTCTTACTTTTATCATGATTCACCTTATACCACGGACTGCTATACAGCCAAAGCCAGTCTG  
GCTGGAATCTCTCTGATGCTGATTTGCACTCTGCTGGAATTTGCCTAGCTGTGCTCACTGCTGTGC  
TGCGGTGGAACAGGCTTACTCTGACTTCCTGGGGTGTGCTGGCCGGCTTCACT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG232290 representing NM\_001247999  
 Red=Cloning site Green=Tags(s)

MVLLKLLLEVYRKGSAGTFHKSTIFGNTIMTSQPVPNETIIVLPSNVINFSQAEKPEPTNQGDLSLKKHLH  
 AEIKVIGTIQILCGMMVLSLGIILASASFSPNFTQVTSTLLNSAYPFIGPFFFIISGSLSIATEKRLTKL  
 LVHSSLVGSILSALSALVGFIIILSVKQATLNPASLQCELDKNNIPTRSYVSYFYHDSLYTTDCYTAKASL  
 AGTLSLMLICTLLEFCLAVLTAVLRWKQAYSDFPGVSVLAGFT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001247999

**ORF Size:** 759 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.

**RefSeq:** [NM\\_001247999.1](#), [NP\\_001234928.1](#)

**RefSeq Size:** 1751 bp

**RefSeq ORF:** 762 bp

**Locus ID:** 64231

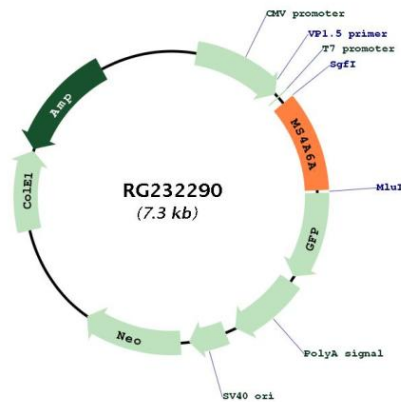
**UniProt ID:** [Q9H2W1](#)

**Cytogenetics:** 11q12.2

**Protein Families:** Druggable Genome, Transmembrane

**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]

**Product images:**



Circular map for RG232290