

Product datasheet for **RG219524**

MS4A7 (NM_206940) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MS4A7 (NM_206940) 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: >RG219524 representing NM_206940
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTATTACAATCCCAAACCATGGGGTTTCTCACAGCTTTACACCAAAGGGCATCACTATCCCTCAA
 GAGAGAAACCTGGACACATGTACCAAACGAAGATTACCTGCAGAACGGGCTGCCAACAGAAACCACCGT
 TCTTGGGTTTGGCATTACTGGATCCCTCAATTATCTCTGGAAAACAATCAACTAAGCCCTTTGACCTG
 AGCAGCTTGACCTCAAATGCAGTGAGTTCTGTTACTGCAGGAGCAGGCCTTCTCCTCTTGCTGACAGCA
 TGGTAGCCCTGAGGACTGCCTCTCAACATTGTGGCTCAGAAATGGATTATCTATCCTCATTGCCTTATTC
 GGAGTACTATTATCCAATATATGAAATCAAAGATTGTCTCCTGACCAGTGTCAAGTTAACAGGTGTCTTA
 GTGGTGATGCTCATCTTCACTGTGCTGGAGCTCTATTAGCTGCATACAGTTCTGTCTTTTGGTGGAAAC
 AGCTCTACTCCAACAACCTGGGAGTTCAATTTCTCGACCCAGTCACAAGATCATATCCAACAGGTCAA
 AAAGAGTTCTTACGGTCTTGGATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG219524 representing NM_206940
 Red=Cloning site Green=Tags(s)

MLLQSQTMGVSHSFTPKGITIPQREKPGHMYQNE DYLNGLPTETT VLGFGITGSLIISGKQSTKPFDL
 SSLT SNAVSSVTAGAGL FLLADSMVALRTASQHCSEMDYLSSLPYSEYYYPIYEIKDCLLTSVSLTGVL
 VVMLIFTVLELLLAAYSSVFWKQLYSNPNPSSFSSTQSQDHIQQVKKSSRSWI

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_206940.2](#)

RefSeq Size: 2841 bp

RefSeq ORF: 588 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]