

Product datasheet for **RC218897**

MS4A14 (NM_032597) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MS4A14 (NM_032597) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MS4A14
Synonyms:	MS4A16; NYD-SP21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC218897 representing NM_032597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCAACATCCCAGGACAGAAGGGCAACTCACGTCACTATAAAACCAAACGAACTGTATTGA
 CTGCATTTCCCTACAGACCTCATAGCTCTCTGCTGGATTTCTGAAGGGAGAGCCAAGAGTCTTGGGGC
 TACCCAGATCCTGCTTGTCTAATCATTGTGGGCTTTGGAATATATTTGCACTTAATTACATCGGTTTC
 TCCCAAAGACTTCCCCTTGTGTCTCACAGGATATCCATTCTGGGGAGCACTTATTTTTATTCTTACAG
 GATACCTCACAGTAACCGATAAGAAATCAAACCTCTGGGTCAAGGTGTCACGGGCATGAATGTTATCAG
 CTCCTTGGTTGCGATAACTGGGATTACTTTCACCATCTCAGCTACAGACATCAAGACAAGTACTGCCAG
 ATGCCATCCTTTGAAGAAATATGTGTTTTCACTAGAACTCTTTTCATTGTTCTGTTTTCTTGCCTTCGG
 ATGTTACTCAAAATAGTGAACAACCTGCCCCAGAAGAATATGATCAATTACAATTTGTGCTTCAAGAAGA
 GTTTTCCAGTGATGATTCAACAACAAATGCACAATCTGTTATCTTTGGAGGCTATGCTTTCTTCAAGTTA
 ACACTCTCTAGGAGTCTTTAGTCTCCCAACCAGGTAATAAAGGTAGAGAATTTGTGCCAGATGAACAAA
 AGCAAAGTATCCTTCCATCTCCCAATTTTCAGAGGAAGAAATTGAACCTTTGCCTCCCACTAGAGAA
 GAAGCCCTCAGAAAAATATGTCCATTAGCTAGACTCTACATTTAAACAAATGAAAGATGAAGATCTACAA
 TCTGCTATTGTACAACCTTCTCAATGCAACCAAGCTTCTGCAGGACCAAGCTGCGTCACTCCAAGTTT
 TTCCATCCCATTTGCACTAAACTCGAAGATATATCACCTGAAGACTTGCCATCCCAAGCTCTACCACT
 AGAAGGCTGTGAGAACAACCATGCCATCTAAGTCTACATCATCCCATGTCAAACAGTCTTCTAATCTG
 ACAGCTAATGACCTGCCCCCTCAAGGCATACTATCCCAAGACACATCATCTCAAGATATGCTGTTTCATG
 ACATGACATCCCAAGATATGCAATCCCTAGATATGCTATCTCAAGACACACCATCCACGCCATGCCACC
 TCAAGACATACCTTCCCAAGATATGCTATCCCAAGCTCTATCAGCGCATGCCATATTACCTGAAGCCTCA
 ACATCCCATATTGTGCAGTTCCTGAAATACAACACCTACTTCAGCAGCCCCAGATCTTCAACCAGAAA
 ACACTGAACCTCAAAACCAGCAAATTTTACAAATGTCATATCAAGATATTAGATCAGAAGTTATGGAAGA
 GACCAAAGAAATGGAAATCTGAGGAGGAACCTCATAGAAGAAATCCTCAAGACGGCATTCTTAAACCAG
 CAAACCAAGCCTTGCAATACTTAAGGAGACATTCTTTAGACGTGCAAGCCAAAGGCCAGAAATCCTCAA
 AGAGGCATTCTTAGATCAGCAAAGCAAAGGCTGGCAATCTCAAAGCAGAAATCCTTAGACCAGCAAAT
 CAAAGACTGGCTATCCCCAAAGAGGCACTCCGTAGATAAGCAAGCTCACTTAATCAAACCTAAAGAGCAA
 CTCCCAGATCAGCAAGCTGAAGATCAGCAAGCCAAAGGGGAACAATACCCAGAAGGACAATCTAAAGATA
 GACAAGTTAAAGACCAGCAGACTGATAAGGAGCAAACTCAAAGAAGCAAACCCAGGATCAGCAAACCTGA
 AGACCAGCCGGCCCAAGAGAAGAAATCCCCGAAAGGACAATTCCAAAATGTTCAAGCCGAAGGACAGCAA
 GCTCAGGTGGAGAAAGTGCCAAACTGTTATGCCAAGATTCAGAATCCCAATACAGCAATACCAATTCT
 GGCAATTCACAAAGGCAATCTCCAGGCTGGACAACCCAGGACTGTCAATCTTTTGGCCAAGAATCCCCCT
 GACTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC218897 representing NM_032597
 Red=Cloning site Green=Tags(s)

MESTSQDRRATHVITIKPNETVLTAFFYPHSSLLDFLKGEPRVLGATQILLALIIVGFGTIFALNYIGF
 SQRLPLVVL TGYPFWGALIFIL TGyl TVTDKSKLLGQVGTGMNVISSLVAITGITFTILSYRHQDKYCQ
 MPSFEEICVF SRTLFI VLF FLPSDVTQNSEQPAPEEYDQLQFVLQEEFSSDDSTTNAQSVIFGGYAFFKL
 TLSRSPLVSQPGNKGREFVPDEQKQSILSPKFSSEEIEPLPPTLEKKPSENMSIQLDSTFKQMKDEDLQ
 SAIVQPSQMQLKLLQDQAASLQVFP SHSALKLEDISPEDLPSQALPVEGLSEQTMPKSTSSHVKQSSNL
 TANDLPPQGILS QDTSSQDMLFHDMTSQDMQSLDMLSQDTPSHAMPPQDIPSDMLSQALSAHAILPEAS
 TSHIVQFPEIQHLLQPPDLQ PENTEPQNNQILQMSYQDIRSEVMEETKEWKSEELHRRKSSRRHSLNQ
 QTKALQYLRRHSLDVQAKGQKSSKRHSLDQQSKGWQSPKQKSLDQQIKDWLSPKRHSVDKQAQLNQTKAQ
 LPDQQAEDQQAQGEQYPEGQSKDRQVKDQTDKEQNSKKQTQDQQTEDQPAQEKKSPKGQFQNVQAEQQQ
 AQVEKVPKLLCQDSESQIQYQFWQFHKGNLQAGQPRTVNLLAKNPLTG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8011_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032597

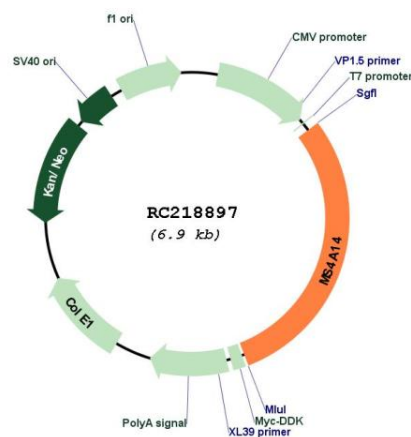
ORF Size: 2037 bp

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_032597.2 , NP_115986.2
RefSeq Size:	2805 bp
RefSeq ORF:	2040 bp
Locus ID:	84689
UniProt ID:	Q96JA4
Cytogenetics:	11q12.2
Domains:	CD20
Protein Families:	Transmembrane
MW:	76.4 kDa
Gene Summary:	May be involved in signal transduction as a component of a multimeric receptor complex. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC218897