

## Product datasheet for **MR202830**

### Ms4a7 (NM\_027836) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ms4a7 (NM_027836) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ms4a7
Synonyms:	9130422I10Rik; A430103C15Rik; CD20I4; CFFMA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202830 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGTCTACAGCTTGGCACCAAGAACATTGGGTGGGACTGCTTCCAAAGGACATCATTATCCACAAA  
GAGAGAAAAGTGGACATACATATGAAAAGAAGATGACCTGCTGATTGGAGTGCCTAGTGAAGCCACAGT  
TCTTGAACCATCCAGCTACTATGTGCCCTGATACTTGAAGCTTTGGGGCATTGGTGTGAGCTTCC  
TACTTCAACCCAGAAGTTCCACCCTTTGATATCTGGATACCTGTTTATTGGATCCCTCTGTTTGGCA  
TTGCTGGAATTCTCTCATTATCTCTGAAAAAATCTCAACCAACCCTTTGCACTGAGCAGCCTGGCCTC  
CAATGTAGCAAGCTCTGCTGTTGCCGTCATTGGCCTCTTCTCTTACCTATTGTCTGATAGCCCTGGGG  
AGTGCTTTTCCACACTGTAACCTAGAAAAGAAATTCCTGTCTTATTGTCTTACTTGAATCCCACCATT  
GGAAGAATGAAGACAAGAAGTGTACCTGGCTTACATCGGTGCTATAAGTGTCTGGGGATGATGCTTCT  
CTTCACTGTGCTGGAGGTTTTCTAGCTGGATACAGTTCTATCTTTGGTGAAGCAAGTCTACTCCAAC  
AAACCTGGGGTACATTTTTCTTGCCCTCAATCACAAGATCATACCAACTTGCAAAAGCAATTTGTTGC  
AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202830 protein sequence  
Red=Cloning site Green=Tags(s)

MRLQLGTKNIGWDCFPKDIIHKREKTGHYTEKEDLLIGVPSEATVLGTIQLLCALILASFGGILVSAS  
 YFNPEVSTTLISGYLFIGSLCFAIAGILSIIEKISTKPFALSSLASNVASSAVAVIGLFLFTYCLIALG  
 SAFPHCNSEKKFLSLLSYLKSHHWKNEKNCYLAYIGAIASALGMMMLLFTVLEVFLAGYSSIFWWKQVYSN  
 KPGGTFFLPQSQDHTQLVKSLLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_027836

**ORF Size:** 705 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\\_027836.1](#), [NM\\_027836.4](#), [NM\\_027836.5](#), [NM\\_027836.6](#), [NP\\_082112.3](#)

**RefSeq Size:** 1336 bp

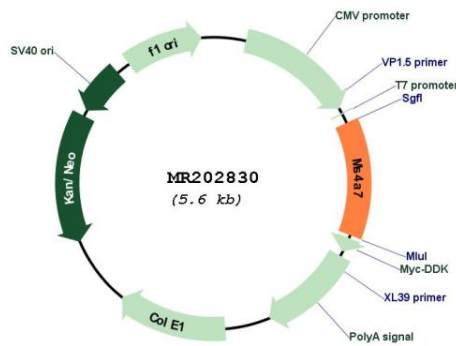
**RefSeq ORF:** 705 bp

**Locus ID:** 109225

**Cytogenetics:** 19 A

**MW:** 25.7 kDa

**Product images:**



Circular map for MR202830