

## Product datasheet for **RR207244**

### Ms4a1 (NM\_001107578) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Ms4a1 (NM\_001107578) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Ms4a1  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR207244 representing NM\_001107578  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAACACCCAGAAATTCAGTGAGTGGACCTTCCCAACAGAGCCTACAAAAGGACCCCTCGCCATGC  
AACCTGCTCAAAAAGTAATCCCCAGAAGACCATTTCACTGGTGGGCCCCACACAAAGCTTCTTCATGAG  
GGAATCAAAGGCTTTGGGGCTGTCCAGATCATGAATGGCCTCTCCACATTTCCCTGGGGGACTGCTG  
ATGATCCCACAGGAGTTTTTGCACCCATCTGTTTGAGTGTATGGTACCCTCTGTGGGGAGGCATTATGT  
ACATCATTTTCAGGATCACTCCTGGCAGCTGCAGCAGAGAAAACCTCCAGGAAGAGTTTGGCAACGAAAGT  
GATAATGAGCTCTCTAAGCCTCTTTGCTGCCATTTCTGGAATAATTCTTTCAATCATGGACATACTTAAC  
ATTACAGTTTCTCATTTTTTAAAAATGGAGAGACTGGAAGTATTAAGTAACTCCCAAGCTATATGTTGATA  
TCTACAAGTGTGAGCCATCCAATTCCTCAGAGAAAACCTCCCATCTACACAGTACTGTAACAGCGTGCA  
GTCTGTGTTCTTGGGCATTCTGTCGGTGTGCTGATCTCTGCCTTCTCCAGAAGCTCGTGACAGCCGGT  
GTTGTAGAGAATGAGTGGAAAAGAGTGTGCTCCAGGCCAAATCTAATGTGGTTCTGCTGTCAGCTGGAG  
AAAAAAAAGAGCAGACAATTAATGAAAGAAGAAATCATTGAGCTAAGTGGAGTATCTTCCCAACCAA  
GAATGAAGAGGAAATTGAAATTATTCCAGTGCAGGAGGAAGAAGAAGAAGCAGAAATAAACTCCCA  
GCACCTCCCAAGAGCAGGAATCCTTGCCAGTGGAAAATGAGATCTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR207244 representing NM\_001107578  
Red=Cloning site Green=Tags(s)

MTTPRNSVSGPFPTEPTKGPLAMQPAQKVIIPRRPSSLVGPTQSFMRKALGAVQIMNGLFHISLGLL  
 MIPTGVFAPICLSVWYPLWGGIMYIISGSLLA AAAEKTSRKSLATKVIMSSLSLFAAISGILSIMDILN  
 ITVSHFLKMERLELIKTPKLYVDIYNCEPSNSSEKNSPSTQYCNSVQSVFLGILSVMLISAFFQKLVTAG  
 VVENEWKRVCSRPKSNVLLSAGEKKEQTIKMKEEIIELSGVSSQPKNEEEIEIIPVQEEEEEEAEINFP  
 APPQEESLPVENEISP

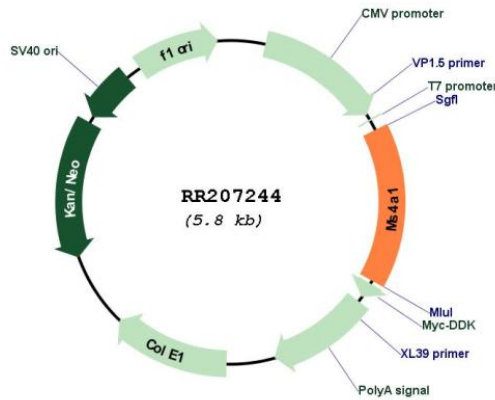
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001107578

<b>ORF Size:</b>	891 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001107578.1</a> , <a href="#">NP_001101048.1</a>
<b>RefSeq Size:</b>	1224 bp
<b>RefSeq ORF:</b>	894 bp
<b>Locus ID:</b>	309217
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	32.6 kDa