

Product datasheet for **MC208937**

Mas1 (NM_008552) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mas1 (NM_008552) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mas1
Synonyms: Mas-1; MasR; Mgra
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208937 representing NM_008552
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGTCAAATATGACATCCCTTGCTGAAGAGAAAGCCATGAATACCTCCAGCAGAAATGCCTCCC
 TGGGGAGCTCACCCACCCATTCCCATAGTGCCTGGGTCATCATGAGCATCTCCCTCTGGGCTTTGT
 GGAGAATGGGATCCTCCTCTGGTTCCTCTGCTCCGGATGAGGAGAAATCCCTTCACGGTCTACATTACC
 CACTTGTCCATTGCTGATATCTCTTTCTGTTCTGTATTTTTATCCTGTCCATTGACTATGCTTTAGACT
 ATGAACTCTTTCTGGCCATCACTACACAATCGTGACATTATCGGTGACTTTTCTATTTGGCTACAACAC
 GGGCCTCTATCTGCTGACAGCCATCAGTGTGGAGAGGTGCCTATCGGTCTCTACCCCATATGGTACAGA
 TGCCACCGCCCAAGCACCAGTCAGCATTTCGTCTGTGCCCTTCTGTGGGCACTTTCTGTGCTTGGTACCA
 CCATGGAGTATGTCATGTGATTGACAGCGGAGAAGAGAGTATTCTCGGAGTACTGCCGGGCGGTTCAT
 CATCTTCATAGCCATCCTCAGCTTCTTGGTCTTCACTCCGCTCATGTTAGTGTCCAGCACCATCTTGGTG
 GTGAAGATACGGAAGAACACGTGGGCTCCCATCTTCGAAGCTGTACATTGTATCATGGTACCATTAT
 TCATATTCCTCATCTTTGCCATGCCATGCGGGTCTCTACTTGTGTACTACGAGTACTGGTCAGCCTT
 TTTGTGGGAGCAGTAAGAAGAAGCGCTTCAGGGAGTCCTTAAAAGTCGTCTGACCAGGCTTTCAAAG
 ATGAAATGCAACCCAGGCCAGGAGGGCAACGGCAACTGTATCCATTGAGACTGTGGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008552



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Insert Size:	975 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none">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_008552.5 , NP_032578.2
RefSeq Size:	4639 bp
RefSeq ORF:	975 bp
Locus ID:	17171
UniProt ID:	P30554
Cytogenetics:	17 8.69 cM
Gene Summary:	Acts specifically as a functional antagonist of AGTR1 (angiotensin-2 type 1 receptor), although it up-regulates AGTR1 receptor levels. Positive regulation of AGTR1 levels occurs through activation of the G-proteins GNA11 and GNAQ, and stimulation of the protein kinase C signaling cascade. The antagonist effect on AGTR1 function is probably due to AGTR1 being physically altered by MAS1 (By similarity). Receptor for angiotensin 1-7.[UniProtKB/Swiss-Prot Function]