

Product datasheet for **SC118704**

MAS1 (NM_002377) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAS1 (NM_002377) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAS1
Synonyms:	MAS; MGRA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002377, RT-PCR generated
ATGGATGGGTCAAACGTGACATCATTTGTTGTTGAGGAACCCACGAACATCTCAACTGGC
AGGAACGCCTCAGTCGGGAATGCACATCGGCAAATCCCCATCGTGCCTGGTCAATTATG
AGCATCTCCCCAGTGGGGTTTGTGAGAATGGGATTCTCCTCTGGTTCTGTGCTTCCGG
ATGAGAAGAAATCCCTTCACTGTCTACATCACCCACCTGTCTATCGCAGACATCTCACTG
CTCTTCTGTATTTTCATCTTGTCTATCGACTATGCTTTAGATTATGAGCTTTCTTCTGGC
CATTACTACACAATTGTCACATTATCAGTGACTTTTCTGTTTGGCTACAACACGGGCCTC
TATCTGCTGACGGCCATTAGTGTGGAGAGGTGCCTGTCAGTCCTTACCCCATCTGGTAC
CGATGCCATCGCCCCAAGTACCAGTCGGCATTGGTCTGTGCCCTTCTGTGGGCTTTTCT
TGCTTGGTGACCACCATGGAGTATGTCATGTGCATCGACAGAGAAGAAGAGAGTCACTCT
CGGAATGACTGCCGAGCAGTCATCATCTTTATAGCCATCCTGAGCTTCTGGTCTTCACG
CCCTCATGCTGGTGTCCAGCACCATCTTGGTCGTGAAGATCCGGAAGAACACGTGGGCT
TCCCATTCCTCCAAGCTTTACATAGTCATCATGGTCACCATCATTATATTCCTCATCTTC
GCTATGCCATGAGACTCCTTTACCTGCTGACTATGAGTATTGGTTCGACCTTTGGGAAC
CTACACCACATTTCCCTGCTTCTCCACAATCAACAGTAGCGCCAACCCCTTTCAATTTAC
TTCTTTGTGGGAAGCAGTAAGAAGAAGAGATTCAAGGAGTCCTTAAAAGTTGTTCTGACC
AGGGCTTTCAAAGATGAAATGCAACCTCGGCGCCAGAAAGACAATTGTAATACGGTCACA
GTTGAGACTGTCGTCTAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002377 unedited ATATGGCGGCCGGAATTCAGATCTGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCA GTGTGCTGGAATTCGGCTTTCCTCATGGATGGGTCAAACGTGACATCATTTGTTGTTGAG GAACCCACGAACATCTCAACTGGCAGGAACGCCTCAGTCGGGAATGCACATCGGCAAATC CCCATCGTGCACCTGGTCAATTATGAGCATCTCCCCAGTGGGGTTTGTGAGAATGGGATT CTCCTCTGGTTCTGTGCTTCCGGATGAGAAGAAATCCCTTCACTGTCTACATCACCCAC CTGTCTATCGCAGACATCTCACTGCTCTTCTGTATTTTCATCTTGTCTATCGACTATGCT TTAGATTATGAGCTTCTTCTGGCCATTACTACACAATTGTCACATTATCAGTGACTTTT CTGTTTGGCTACAACACGGGCCTCTATCTGCTGACGGCCATTAGTGTGGAGAGGTGCCTG TCAGTCCTTTACCCCATCTGGTACCGATGCCATCGCCCCAAGTACCAGTCGGCATTGGTC TGTGCCCTTCTGTGGGCTCTTCTTGTGTTGGTGACCACCATGGAGTATGTCATGTGCATC GACAGAGAAGAAGAGAGTCACTCTCGGAATGACTGCCGAGCAGTCATCATCTTTATAGCC ATCCTGAGCTTCTGGTCTTACGCCNCTCATGCTGGTGTCCAGCACCATCTTGGTCGTG AAGATCCGGAAGAACACGTGGGCTTCCCATTN
Restriction Sites:	Please inquire
ACCN:	NM_002377
OTI Disclaimer:	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. 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
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_002377.2 , NP_002368.1
RefSeq Size:	1135 bp
RefSeq ORF:	978 bp
Locus ID:	4142
UniProt ID:	P04201

Cytogenetics:	6q25.3
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction, Renin-angiotensin system
Gene Summary:	This gene encodes a class I seven-transmembrane G-protein-coupled receptor. The encoded protein is a receptor for angiotensin-(1-7) and preferentially couples to the Gq protein, activating the phospholipase C signaling pathway. The encoded protein may play a role in multiple processes including hypotension, smooth muscle relaxation and cardioprotection by mediating the effects of angiotensin-(1-7). [provided by RefSeq, May 2012]