

Product datasheet for **RR211193**

Mas1l (NM_001002281) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mas1l (NM_001002281) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mas1l
Synonyms:	Mgrb; MrgHGPR90; Mrgprh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR211193 representing NM_001002281 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCATTGGCAACAACCTTGTGTCCTCAGGAATGCACACAAACCACCAGAAACGAAACCCCAATG
 AAACCACCTGGTCTTCAGAGCATGTGACTAAATACACGTATATCTCCATCTCCCTGGTCATCTGTTCACT
 GGGACTGGTTGGGAACGGCCTTTTGATATGGTTCTTGATTTTCTGCATCAAGAGGAAGCCATTACCATC
 TACATCCTACATCTCGCCTTTGCTGACTTCATGGTCCTCCTCTGTTTCATCCATCATTCAGCTAGTGAACA
 CTTTCCACATTTACGATTCCACCTTAGTGAGCTATGCTGTCCTCTTCATGATTTTCGGCTACAACACGGG
 CCTGCACCTCCTCACGGCATCAGCGTGGAGCGCTGCCTCTCGGTGCTTTACCCGATCTGGTACCACTGC
 CGACGCCCGAAACACCACTGTCCTGTGGCCTGTACACTGTTGTGGGCCCTCTCTGTTCTTGTGCTGGTT
 TGGAAACTTCTTCTGCATTCTGGAAGTGAAGCCCCAGTTCACAGAATGCCGATACGTGTACATATTTTC
 CTGTACCTTGACTTTCTGGTCTTCGTCCTCTCATGGTCTTCTCGAACTTGATACTCTTCATCCAAGTC
 TGCTGTAACTGAAGCCACGTCAACCAGCCAACTCTATGTGATCATCATGGCCACCGTCATCCTGTTCC
 TTGTCTTCGCCATGCCCATGAAGGTGTTGCTTATCATTGGCTACTATTCCAATTCACCTGATGCTTCTGT
 ATGGAAATCTCTCCCTACCTGAACATGCTCTCCACTATAAAATGCAGCATCAACCAATTGTCTACTTT
 GTGGTAGGCAGTCTGAGGAGGAAGAGGAGTAGGAAGTCCCTAAAAGAAGCACTACAGAAGGTCTTTGAGG
 AAAAGCCAGTGGTGGCCTCGAGGAGAATGAGGTACAATTCTCCCTGCCCTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RR211193 representing NM_001002281

Red=Cloning site Green=Tags(s)

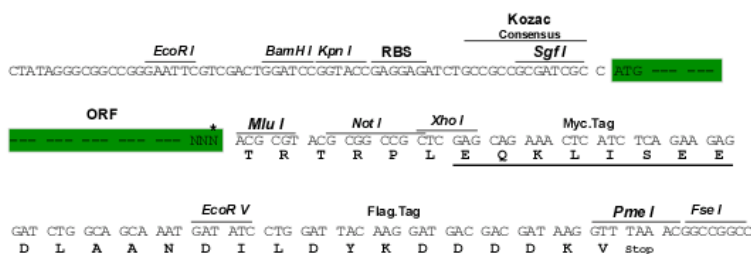
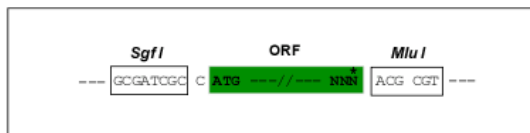
MEPLATTLCPQECTQTRNETPNETTWSSEHVTKYTYISISLVICSGLGVGNLLIWFLIFCIKRKPFTI
YILHLAFADFMVLLCSSIIQLVNTFHIYDSTLVSYAVLFMIFGYNTGLHLLTAISVERCLSVLYPIWYHC
RRPKHQSTVACTLLWALSVLVSGLENFFCILEVKPPECRYVYIFSCTLTFLVFVPLMVFSNLILFIQV
CCNLKRPQPAKLYIIMATVILFLVFAMPKVLIIIGYNSSTDASVWKSPLYLNLSTINCSINPIYF
VVGSLRRKRSKSLKEALOKVFEKEPVPVASRENEVOFSLPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001002281

ORF Size: 963 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_001002281.1](#), [NP_001002281.1](#)

RefSeq Size: 966 bp

RefSeq ORF: 966 bp

Locus ID: 404641

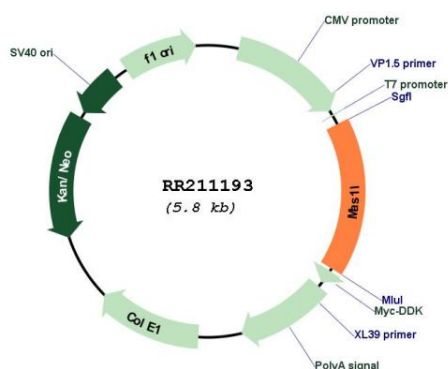
UniProt ID: [Q7TN38](#)

Cytogenetics: 1q11

MW: 36.8 kDa

Gene Summary: seven transmembrane domain G-protein coupled receptor; most often found in sensory neurons [RGD, Feb 2006]

Product images:



Circular map for RR211193