

Product datasheet for **RN209074**

Mos (NM_020102) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mos (NM_020102) Rat Untagged Clone
Tag: Tag Free
Symbol: Mos
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209074 representing NM_020102
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTTCGCCTCTCATCCTGTGTGCTACCTCCCTCGCGAGCTGTGCCAACGGTGGACTCGAGGTCCT
GCAGCAGCCCCTTGGTGGCCTCGAGGAAGCGGGGAAGTTCCTGGGGGCCACTCCTCCTCGGGCCCCGG
GCTGTACGCGCCGGCTGGCCTGGTCTCATAGACTGGGACAGGTATGCCTGCTGCATAGGCTGGGTTCT
GGAGGGTTTGGCTCGGTGTACAAAGCCACTTACCACGGTGTTCCTGTGGCCATCAAGCAAGTGAACAAGT
GCACCAGGAACCTACGTGCATCCACGCGGAGTTTCTGGGCTGAACTGAACATTGCAAGGCTGCACCACGA
CAACATAGTCCGGTTGTGGCTGCCAGCAGCGCACGCCGGAAGTTCCAACAGCCTTGGTACCATAATC
ATGGAGTTTGGGGCAATGTGACTCTACACCAAGTCATCTACGGTGCCACCCGCTCCCCAGAGCCTCTCA
GCTGCAGAGAGCAACTGAGTTTGGGAAAGTGCCTCAAGTATTCCCTAGATATTGTTAACGGCCTGCTTTT
TCTCCACTCACAAGCATTTTGCCTTGGACCTGAAGCCAGCGAACATTTTGATCAGTGAGAAGGACGTT
TGTAAGATAAGTGACTTCGGCTGCTCCCAGAAGCTTCAGGATCTGCGGTGCCGGCAGGCGTCCCTTACC
ACATCGGGGGCAGTACACGCACCAAGTCCGGAGCTCCTGAAAGGAGAGATCGCCACGCCCAAAGCCGA
CATCTACTCTTTTGGCATCACCTGTGGCAGATGACCACCAGGGAGGTGCCTTACTCCGGCGAGCCTCAG
TACGTGCAGTACGAGTGGTAGCCTACAATCTGCGCCCGTCACTGGCAGGGGGCGGTTCACCGCCTCCC
TGACTGGGAAGACGCTGCAGAACATCGTCCAGAGCTGCTGGGAGGCCCGCCCTGCAGAGGCCGGGTGC
AGAAGTCTCCAGAAGGACCTGAAGGCTTTCGAGGGGCACTGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_020102
Insert Size: 1029 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_020102.4 , NP_064487.3
RefSeq Size:	1308 bp
RefSeq ORF:	1029 bp
Locus ID:	24559
Cytogenetics:	5q12
Gene Summary:	phosphorylates and activates Map2k1; may play a role in meiotic division of spermatocytes and oocytes [RGD, Feb 2006]