

Product datasheet for **MC222272**

Mocos (NM_026779) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mocos (NM_026779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mocos
Synonyms:	1110018O12Rik; HMCS; MCS; MOS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222272 representing NM_026779
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTGCGGGCGGCAGAGCGGGCCCTGAGCCCCGGCCTCCAGCGCCATCTGGAAGCCAGCACAC
 AGCGCTTGGCCACGGCTACGGCTTGCAGCATGAGCGAGCTGCGGGACCAGGAGTTTGGCCGCTAGC
 AGGAACTGTCTACCTTGACCATGCAAGGACCACCTTGTCCCCAGAGCCAGCTCACAACTTCACTAAG
 GATCTCATGAAAATGTCTATGGTAACCCTCACAGCCAGAATCACCAGCAAACCTACCCACGACACTG
 TGGAGCAGGTCGCTACAGGATCCTGACTACTTTCACACCACCCAGAGGACTACATCGTGATCTTAC
 AGCTGGGAGTACAGCTGCTCTCAGGCTAGTGGCAGAGGCGTTCCGTGGGTGTCCCGAGCCAGAGAAC
 AGTGGGAGTCACTTCTGCTACCTCACTGACAACCACACCTCTGTGGTGGGAATGAGGAAGGTGGCTGCAG
 CCATGAGTGTACATCTATCCAGTCAAGCCAGAGGACATGTGGTCAGCGGAGGGAAAGGATGCTGGAGC
 CTGTGACCCGACTGTCAGCTTCCACACCTCTTCTGTTACCCAGCTCAGAGTAACTTTTCGGGCACCAGA
 TACCCATTGTGATGGGTAGAGGAGGTCAAGTCTGGGCGGAGGAGCCCTGTGAATGCACCGGGGAAGTGGT
 TTGTGCTGCTGGATGCAGCCTCCTATGTGAGCACTTCCCCTTGATCTGTGAGCTACCCAGGCTGACTT
 CATCCCCATCTCCTTCTATAAGATCTTTGGGCTCCCCACAGGCCTGGGTGCTCTGCTAGTCAATAAGCAC
 GTGGCTCCTCTCTTGAGGAAAGGCTACTTCGGAGGAGGGACTGCAGCTGCCTACCTTGCAGGAGAGGACT
 TTTACGTCCCAAGGTCAATCGGTGGCAGAAAGGTTCAAGATGGCACCATCTATTCTCGATGTAATAGC
 GCTGAAGCATGGATTTGATGCTCTGGAGCACCTCACAGCGGCATGGTGAACATACAGCAGCACACCTTC
 GCTCTGGTGCAGTACACTCACTTGCCTGTCTCCCTCCGCTACCTCAACGGGGCCCTGTGGTGGCGCA
 TTTACAGCGATTCTGAGTTCAGCAGCCCTGATGTCCAGGGTCCAATCATCAATTTAATGTGTGGATGA
 TGGTGGGAAGATCATTGGCTACTCCAGGTGGACAAAATGGCTAGCCTGTACAACATCCACCTGAGGACT
 GGCTGCTTCTGTAACCTAGGGCCCTGCCAGAGGACCTGGGGCTAAGTGACGAGATGGTGAAGAAACATT
 TTCAGGCGGGTCACTGTCTGTGGGATGATGTTGACATTATAGTGGACGACCCACCGCTCTGTGAGGAT
 TTCCTTTGGATACATGTCCACACTAGAAGATGCCAGGCCTTTCTGAGGTTATCAGTACTATCTACCTC
 CGCTCACCCAGTGACCAGCCTGTTCTCAAGCCAGCATCAGTGTGCTGGGGCCTAACCTCGAAGAGTG
 ACTGCTCACTCACCTCAGGAAGGTTCTGTACAGACCTTCAGTTTGAATGGCTCCTATCCTGACACAAA
 CATCATGGACTTGACCCGCTCTGAGCAAAGCCAGCAGCGCCAGCAGACCCCTCAAGACAAAGCTGCA
 GGATCCTGAATGGGACCCGGGTCCACATTGTACCAACATTTACCTTACCCCATCAATCCTGTG
 CTGCGTTTTGAGGTGACCAAGTGGCTGTGGGAGCCAAGGGCTGCTGTATGACCGGAGCTGGATGGTTGT
 GAATCACAAATGGCATTTCATGAGTCAAGCAGGAGCCACGGCTCTGCCTGATCCAGCCCTTCATTGAC
 CTGCGAGAGAGGATCATGGTCAAAAGCAGAAGGGATGGAGCCTATCCAGGTGCCTCTTGGAGGAGATG
 GAGAACAGACTCAGATTTGTCAAAGCAGAGTGTGTGCTGACAGGGTAAATACTTATGATTGTGGAGAAA
 TGTTCAGAGTGGCTGTCAAAGTTTCTTGGCCGCTATGTCAATTAATCAAGCAAAGTCCACACTCCAG
 CGAAATGCCAGGAAGACGCCTAAAAAGGTCAGCCTCCCGTACTACTGTTGCCCTGTCTTGGTGAACG
 AGGCTCAGTATCTGCTGGTGAACACATCAAGTATCTGGAGCTTCAGCGGCAGTTAAATGCCAGTGACGA
 ACATGGAAAGGAGGAGTCACTTCCATGAAAGATCTCATCTCCCGCTTCCGTGCCAATATTATTACCAAG
 GGAGCCAGAGCCTTTGAAGAAGAGAAGTGGGATGAGATTTCAATTGGCTCCTTGCAATTTCCAGTTCTAG
 GGCTTGGCACAGGTGCCAGATGATTTGTATCAACCAGCAAACCGGGCAGCGGAACCAGGACGCTTCCA
 GACGCTCTCCGAGAGTCGGGGGAGAAAGGTGAACCTTGGTGTGTACCTGATGCATTTCGACTTGGATTTA
 TCGTCTCCATGTTTCTGTGAGTGGGATCGGAGGTGCTCCCGTGTGAAAGACTGTGGAGTGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_026779
 Insert Size: 2589 bp

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_026779.1 , NP_081055.1
RefSeq Size:	2884 bp
RefSeq ORF:	2589 bp
Locus ID:	68591
UniProt ID:	Q14CH1
Cytogenetics:	18 A2
Gene Summary:	Sulfurates the molybdenum cofactor. Sulfation of molybdenum is essential for xanthine dehydrogenase (XDH) and aldehyde oxidase (ADO) enzymes in which molybdenum cofactor is liganded by 1 oxygen and 1 sulfur atom in active form.[UniProtKB/Swiss-Prot Function]