

Product datasheet for **RN203942**

Mocs2 (NM_001007633) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mocs2 (NM_001007633) Rat Untagged Clone
Tag: Tag Free
Symbol: Mocs2
Synonyms: MGC94220
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203942 representing NM_001007633
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGAGCTTGGAGATCAACAACCTCTGCTTCAGCCTGGAGACGAAGTTGCCATCATCCCACCAATCAG
TGGAGGATAGTGGCTCTGAGCCATCGGGGTATGAGGCGAAGGACCCTCCACAGGATACCTTGAAAGATGT
GGATGATGTGCTGGAGAAACCTAAGGACATAATACAGTTCAGTCCAAGAAGCTCTCAGTGGGGGAAGTG
TCACAGCTGGTGGTGTCCCTCTGTGTGGCGCAGTGTCTCTCTTTGTAGGGACTACAAGAAATAACTTCG
AAGGCAAGAAAGTCATTAGCTTAGAATATGAAGCATATCTACCCATGGCAGAAAAATGAAATCAGAAAAAT
TTGCAATGACATTCGACAGAAATGGCCAGTGAGGCACATAGCGGTGTTCCATCGGCTTGGTCTGGTTCCA
GTGTCAGAAGCAAGCACAGTTATTGCTGTGTCCCTCAGCTCACAGAGCCGCGTCCCTTGAAGCCGTGAGCT
ACGCCATTGATTCTTTAAAAGCCAAGGTGCCCATATGGAAGAAGGAAATATATGAAGAATCAACATCATC
TTGGAAAAGAAACAAGGAATGCTTCTGGGCAGCTGATGACT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001007633
Insert Size: 603 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).



[View online »](#)

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:	<u>NM_001007633.2, NP_001007634.1</u>
RefSeq Size:	1492 bp
RefSeq ORF:	603 bp
Locus ID:	294753
UniProt ID:	<u>Q6AY59</u>
Cytogenetics:	2q14
Gene Summary:	<p>Catalytic subunit of the molybdopterin synthase complex, a complex that catalyzes the conversion of precursor Z into molybdopterin. Acts by mediating the incorporation of 2 sulfur atoms from thiocarboxylated MOCS2A into precursor Z to generate a dithiolene group. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' end, compared to variant 1, and encodes the large subunit (Mocs2B).</p>