

Product datasheet for **SC122814**

MOCS3 (NM_014484) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOCS3 (NM_014484) Human Untagged Clone
Tag:	Tag Free
Symbol:	MOCS3
Synonyms:	UBA4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_014484 edited
TTCCGGAAGAGGTCGCCATGGCTTCCCGGAGGAGGTAAGCTGCGCTTACAAGCTGAAGTTG
CCCAACGTGAGGAGGAATTGAATTCGCTGAAGCAGAAGCTGGCGTCGGCTCTTTTGGCTG
AGCAGGAACCGCAGCCAGAACGGCTGGTTCCGGTGTGCGCGCTGCCGCCGAAGGCCGCTC
TGTCCTCGAGATGAGATTCTGCGCTATAGCCGGCAGCTAGTGTGCCCCGAGCTGGGCGTGC
ACGGACAGCTGCGCCTGGGGACCGCGTGCCTGCTAATCGTGGGCTGCGGTGGACTCGGCT
GTCCACTAGCGCAGTACTTGGCAGCGCGCGGTGGGCCGCTTGGCCTTGTGGACTATG
ACGTGGTAGAGATGAGCAACCTGGCCCGCAAGTGTGATGGCGAGGCACTGGCTGGCC
AGGCCAAGGCCTTTTCGGCCGCCGCTCGCTGCGCCGCTCAATTCGGCAGTGGAATGCG
TGCCGTACACTCAGGCCCTTACGCCAGCCACTGCCCTAGACCTGGTCCGCCGATATGATG
TGGTGGCTGACTGCTCGGACAACGTGCCCACTCGCTACCTGGTTAATGACGCATGTGTGC
TGGCGGGTGGGCCCTCGTGTCTGCCAGTGCCTTGCCTTCGAGGGCCAAATCACAGTCT
ACCATTATGACGGTGGCCCTTGTATCGCTGCATATCCCCCAACCAACCCAGCGGAGA
CAGTGACCAACTGCGCGACGGCGGGGTGCTCGGTGTGTTACCGGGTCTGGGCTGCC
TGCAGGCCTTGAAGTGTGAAAATCGCTGCGGGTCTGGGCCCTTACAGTGGCAGCT
TGTGCTCTTTGATGCCCTGAGAGGGCATTTCGCTCTATTTCGGTGCAGAGCCGAGGC
TCGACTGTGCAGCTTGGCGGGAACGGCCCACTGTGACTGATCTGCTGGACTATGAAGCCT
TCTGTGGCTCCTCAGCCACTGATAAATGCCGCTCCCTGCAACTACTGAGCCCAGAGGAGC
GTGTTTCTGTACCGACTATAAGCGACTGCTGGATTCTGGGGCATTCCACCTGTTGCTGG
ACGTGAGCCTCAGGTGGAGGTGGACATTTGTGCTTTCCTCATGCCCTACACATCCCTC
TGAAACATTTGGAACGCAGGGATGCGGAGAGCCTGAAACTCTTAAAGAAGCAATCTGGG
AAGAGAAGCAGGGCACACAAGAAGGGGCTGCTGTCCCCATTTATGTGATTTGCAAACTGG
GAAATGACTCACAGAAAGCCGTGAAGATCCTCCAGTCTTATCAGCAGCTCAAGAGTTAG
ACCCCTTTAACAGTTCGGGATGTTGTGGGGGCCCTCATGGCTGGGCTGCCAAAATCGATG
GAACATTTCCACAGTACTGAGGTGACTGGTATAGTCTGATGAGAAAGATGTGGATTGCCA
TAATACCTCAAAGATACACTTGTGCTTTTCGGTAATATACATAGGAGCTGGGGATT
CTACAGTATCTGTGAATACGTGGACTCCTTTTATAAGGAGTTTTAAAAATTGTTATGTA
TTGGATGAATGACTTATTAATGGATTATACCGTTTCTGAGAACCATCATTTTTTTTTCA
GCACACGGAGGATGTCTTGGACATGTGAGATGTAACGTGACAGGATTTTGCATTTTAAAC
TGCAGATCATTTACATGCCTTATTTCCACCTCCCCAGTCAAAATGCTTTCTAAATCA
TTTTACAGATTATATACTTCGGATCTGTTTACTGTTTCAAGTAAAGAAATCTTGGATCTT
ATTAATATTTTTCAGATGATAGAATACATCCTACAGAAATACATGTTTAAATGTAAATTGT
TTTAATTATTCAGAAAGAGGGTCATTCTATTTGGCCTTTTGAATTAGTATCAAAATGAGA
TTTTTTTTTTTTTGTGATGGAATCTCTCTCTGTTGCCAGGCTGGAGTGTAGTGGTGCGA
TCTCAGCTCACTGCAACCTCCGCTCCAGGTTCAAGCGATTCTCCTGCCTCAGCCTCCT
GAGTAGCTGGGATTACAGGCGCACGCCACCACGCTGGCTAATTTTTGTATTTTAGTAC
AGAGGGGGTTTTACCATGTTTGTGAGGCTGGTCTCGAAGTCTGACCTCGTGATCCGCT
GCCTCGACTTCCAGAGTGTGGGATTACAGGCGTGAGCCACCACACCTCCCGAGATCT
TTAAAGTTTACCAAAATAAAGGAAACACCTTTGTAGTCTGAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014484 unedited <pre> NNNGGTTTCGNATTTTGTATACGACTCACTATAGGGCGGCCGCGNATTCAAATCTGGTAC CGGTCCGGAATCCCAGGATATCGTCGACCCACGCGTCCGCGACGCGTGGGTCCGGAA GAGGTCGCCATGGCTTCCCGGAGGAGGTAAGCTCGCCTTACAAGCTGAAGTTGCCAACGT GAGGAGGAATTGAATTCGCTGAAGCAGAAGCTGGCGTCGGCTCTTTGGCTGAGCAGGAA CCGCAGCCAGAACGGCTGGTCCGGTGTGCGCGCTGCCGCCGAAGGCCGCTCTGTCCGA GATGAGATTCTGCGCTATAGCCGGCAGCTAGTGTGCTGCCGAGCTGGGCGTGCACGGACAG CTGCGCCTGGGGACCGCTGCGTGCTAATCGTGGGCTGCGGTGGACTCGGCTGTCCACTA GCGCAGTACTTGCGAGCGGCCGCGTGGGCCGCTTGGCCTTGTGGACTATGACGTGGTA GAGATGAGCAACCTGGCCCGCAAGTGCTGCATGGCGAGGCACTGGCTGGCCAGGCCAAG GCCTTTTCGGCCGCCGCTCGCTGCGCCGCTCAATTCGCGAGTGAATGCGTGCCGTAC ACTCAGGCCCTTACGCCAGCCACTGCCCTAGACCTGGTCCGCCGATATGATGTGGNTGGC TGACTGCTCGGACAACGTGCCACTCGCTACCTGGTTAATGACGCATGTGTGCTGGCGGG TCGGCCCCCTCGTGTCTGCCAGTGCCTTGCNGCTTCGAGGGCCAAATCACAGTCTACCATT ATGAACCGTGGGCCCTTGTATCGCTGCATATCCCCCAACACCCCCAGCGGAGACAGT GACCAACTGCGCCGACGGCGGGGTGCTTCGGTGTGTTACCGGGGGTCTGGGCTGCCT GCCAGCCTTTGGAAGTGCTGAC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_014484
Insert Size:	2309 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:	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_014484.3 , NP_055299.1
RefSeq Size:	2458 bp
RefSeq ORF:	1383 bp
Locus ID:	27304
UniProt ID:	O95396
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome

Gene Summary:

Molybdenum cofactor (MoCo) is necessary for the function of all molybdoenzymes. The protein encoded by this gene adenylates and activates molybdopterin synthase, an enzyme required for biosynthesis of MoCo. This gene contains no introns. A pseudogene of this gene is present on chromosome 14. [provided by RefSeq, Nov 2012]