

Product datasheet for **SC126803**

MORC3 (NM_015358) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MORC3 (NM_015358) Human Untagged Clone
Tag:	Tag Free
Symbol:	MORC3
Synonyms:	NXP2; ZCW5; ZCWCC3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015358, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGCAGCCACCCCGGGGATACGCTCAGCGCGCTTTGCCCGAAGTTTTACATACAAATTCTA
CTAGTCACACCTGGCCATTCAGTGCAGTTGCTGAATTAATAGATAATGCTTATGATCCTGATGTGAACGC
TAAACAAATATGGATTGACAAAACAGTGATAAATGACCATATATGCTTGACATTCACCGACAATGGGAAT
GGTATGACTTCTGATAAATTACATAAAATGCTAAGCTTTGGCTTCAGTGACAAAGTCACCATGAATGGTC
ATGTCCCAGTTGGATTATATGGGAATGGCTTCAAGTCGGGTTCTATGCGTCTGGGTAAAGACGCAATCGT
TTTTACAAAAATGGAGAAAGCATGAGCGTGGGCTTTTGTCTCAGACCTACTTGGAAAGTCATAAAAGCG
GAGCATGTTGTTGTTCCAATAGTGGCATTCAACAAGCACCACAGATGATTAATTTAGCAGAATCAAAG
CCAGCCTTGCTGCAATTCTGGAACATTCTCTGTTTTCCACGGAACAGAAGTTACTGGCAGAACTTGATGC
TATTATAGGCAAGAAGGGGACGAGGATCATCTTTGGAATCTTAGAAGCTACAAAAATGCAACAGAGTTC
GATTTTAAAAGGATAAATATGATATCAGAATTCGGAGGATTTAGATGAGATAACAGGGAAGAAGGGGT
ACAAGAAGCAGGAAAGGATGGACCAGATTGCCCTGAGAGTGACTATTCCTGAGGGCTTATTGCAGTAT
ATTATATCTAAAGCCAAGAAATGCAGATCATCTACGTGGACAGAAAGTGAAGACACAGCTGGTTTCGAA
AGTCTTGCCTACATCGAACGTGATGTTTATCGACCAAAATTTTTATCTAAAACAGTGAGAATTACTTTTG
GATTTCACTGCAGAAATAAAGATCATTATGGGATAATGATGTATCACAGAAATAGACTCATCAAAGCTTA
TGAAAAAGTTGGATGTCAGTTAAGGGCAACAACATGGGTGTTGGAGTGGTTGGAATTAAGAGTGAAT
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TAGGAGAAAAGCTGAATGATTACTGGAATGAAATGAAAGTGAAGAAAAATACAGAATATCCTCTAAATTT
GCCAGTTGAAGATATACAGAAGCGTCTGATCAGACATGGGTTTCAGTGTGATGCCTGTCTAAAGTGGCGG
AAATTACTGTAGGGATGGATCAACTTCTGAAAAATGGTATTGCTCCAATAACCCGACCCGACGTTCA
GAAATTGTGAGGTTCCAGAAGAACCTGAAGATGAGGATTTGGTACATCCCACTTATGAAAAAACCTACAA
AAAGACCAACAAGGAAAAATTCAGGATCAGACAACCGAAATGATCCCTCGGATTAATGCTGAACTGTTG
TTTCGGCCAACCTGCTCTTTCAACTCCAAGCTTTTCTTCTCCTAAGGAAAGTGTCCAAGAAGACATCTTT
CAGAAGGAACAAATTTCTATGCGACAAGACTTCTAAATAATCATCAAGTCCACCTCAGTCTGAACCTGA
GAGCAACAGCTTGAAACGGAGACTTTCTACTCGTTCCTCAATTTTGAATGCAAAGAATCGGAGATTGAGT
AGTCAGTTTAAAATTCAGTTTATAAAGGTGATGATGATGATGAAGATGTCATCATCTTAGAAGAAAAACA
GTACCCCAACCTGCAGTAGATCATGATATTGACATGAAATCAGAACAGAGTCAGTTGAGCAAGGTGG
TGTTTCAGGTTGAGTTTGGGGTGACAGTGAACCTTGTGGCCAGACTGGTTCACAACAGCACCTCATCATCC
CGATGCGACCAGGAAATACTGCAGCTACCCAGACTGAAGTACCAAGTTTGTGTTTAAAAAAGAAGAAA
CTGTTGAAGACGAGATAGACGTAAGAAATGATGCAAGTATTCTGCCCTCCTGTGTAGAAGCTGAAGCAAA
GATACATGAAACCCAGGAAACCACCGATAAATCTGCAGATGATGCAGGCTGCCAATTACAAGAAGTGA
AACCAGCTACTCCTTGTCACTGAGGAAAAAGAGAATTATAAAAGACAGTGTGATGTTTACTGATCAAA
TCAAAGTGTACAACAGAGGATACTAGAAATGAATGACAAGTATGTTAAGAAAGAAACTTGCATCAGTC
CACTGAAACCGATGCTGTATTTTACTTGAAAGTATTAATGGCAAATCTGAAAGTCCAGACCATATGGTA
TCTCAGTATCAGCAAGCTTTGGAAGAAATAGAAAGGCTGAAAAACAATGTAGTGCTTTGCAACATGTAA
AGGCTGAATGCAGCCAGTGTCCAATAATGAGAGTAAAAGTGAATGGATGAGATGGCTGTGCAGCTTGA
CGATGTGTTTAGACAACCTGGACAAATGCAGTATTGAGAGGGACCAGTATAAAAGTGAAGTTGAATTGCTG
GAAATGGAAAAGTCAAAATCCGTTTACAGTGTGAAGAACTCAAACTGAAGTAGAACAGTTAAAATCTA
CAAATCAACAGACGGCAACAGATGTTTCAACATCAAGTAACATTGAGGAGTCTGTAATCATATGGATGG
AGAAAGCCTCAAACCTCGATCTCTCGAGTTAACGTAGGACAACCTGCTGGCTATGATTGTGCCTGATCTT
GATCTTCAGCAAGTGAATTACGATGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG
GTGAAATCAGTAGTACTTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015358 unedited</p> <pre> NGGTTTCAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGCTCGCTC AAGAGGCGGGCGCAGCCACCCCGGGGATTCGCCTCAGCGCGCTTTGCCCGAAGTTTTTAC ATACAAATTTCTACTAGTCACACCTGGCCATTAGTGCAGTTGCTGAATTAATAGATAATG CTTATGATCCTGATGTGAACGCTAAACAAATATGGATTGACAAAACAGTGATAAATGACC ATATATGCTTTGACATTCACCGACAATGGGAATGGTATGACTTCTGATAAATTACATAAAA TGCTAAGCTTTGGCTTCAGTGACAAAAGTCACCATGAATGGTCATGTCCCAGTTGGATTAT ATGGGAATGGCTTCAAGTCGGTTCTATGCGTCTGGGTAAGACGCAATCGTTTTTACCA AAAATGGAGAAAGCATGAGCGTGGGCCTTTTGTCTCAGACCTACTTGAAAGTCATAAAAAG CGGAGCATGTTGTTGTTCCAATAGTGGCATTCAACAAGCACCGACAGATGATTAATTTAG CAGAATCAAAGCCAGCCTTGCTGCAATTCTGGAACATTCTGTGTTTCCACGGAACAGA AGTTACTGGCAGAACTTGATGCTATTATAGGCAAGAAGGGGACGAGGATCATCATTGGG AATCTTAGAAGCTACAAAATGCAACAGAGTTCGATTTTAAAAGGGATAATATGATATCA GAATTTCCCGAGGATTTAGATGAGATAACAGGGGAAGAAGGGGTACAAGAAGCAGGAAA AGGATGGACCANAATTGCCCTGAAAGTACTATTNCCTGAGGGCCTATTGCAGTATTAN ATATCCTAAAGCCAGAAGGCGGACATCCTTACTTGGACAAAAGTGAAGACCAAGCTGG TTTCGAAGAGTCTTGCCATCGACCGTATGTTTA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015358 unedited</p> <pre> CCCCCNANNTCCAATCCCCCACCACCCCCCCNCCCTGACTTAGTACCGCGGCCGCAT NCTANGTCGAGTTTTTTTTTTTTTTTTTTAGCCATCTATATTTTTATTATAAAGAT ATTTTAAAATTTGGGAAATTACAATTGTGACAGAAAACCAGCTTCATACCAAAAATACAC TTTCAATTTACTTTATCAGGCAAATAAAAACAATCTTCATTTATTTGCTCTTCCAGAATT ACTATACAGTAAAAATCAATACTGTATATGACCGACACGTATTAAGCATACATACAAAA TGAACGGATTGAATGTTCAAAAACAAAGGTAATAAATAGCAATGATAAACTTTGGA AAAAATAATGCACATTTTAGTTGTGGAAAATATGGTTCTTATATACATAGTTTATACT TAATAGAAAGCCATCTCTTTAAATTTGCACAAAACATGGGACCAATAAAGCATAGTATTT TATGGCATGTAATACTATAATCCTAAGGAAATTCGTTCCCTTGACTCTAGGATATAAAACA CTTACATTAACCTGTAGTAATCCTACAAAAGGCTGCACAGGAAAATTTACAAAAGAA CTATTACAAAATTTATATGCCCACTTCATGCTGACTAACCAGCCAAAATGGGCTTTCAA GTAACCTTGGGGGGCCATTTAATTATTCAATACCTTTTTTCTGTTAAAGACTGTTTTTTC TTCTATAAAAACACTTTGGGTTTTAACC GGCGATTGCCAATTTACCACAACAAAATACT TGGCAACAGGATTGGCTCTTTGCTCTACCTTTATTTTCAGAAAATAAAAATTTTCGGC ACCGGAATTTTATCCCAAAGAACCTTAATGCCTCAATTCCTCAAACG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015358
Insert Size:	4230 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_015358.1](#), [NP_056173.1](#)

RefSeq Size: 4244 bp

RefSeq ORF: 2820 bp

Locus ID: 23515

UniProt ID: [Q14149](#)

Cytogenetics: 21q22.12

Gene Summary: This gene encodes a protein that localizes to the nuclear matrix and forms nuclear bodies via an ATP-dependent mechanism. The protein is predicted to have coiled-coil and zinc finger domains and has RNA binding activity. Alternative splicing produces multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Feb 2016]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1).