

Product datasheet for **MC222763**

Morc3 (NM_001045529) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Morc3 (NM_001045529) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Morc3
Synonyms:	1110051N18Rik; AI452146; BF318192; D16Jhu32e; NXP2; Zcwcc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222763 representing NM_001045529
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCGCAGCCACCCACCGGATCCGCTCAGCGCGCTTTGCCGAAGTTTTACATACAAATTCTA
 CTAGTCATACCTGGCCGTTCAAGTGCAGTTGCTGAGTTAATAGATAATGCTTATGATCCTGATGTGAATGC
 TAAACAGATCTGGATCGATAAAACAGTGATTAGTGACCATATATGCTTGACATCACTGATAATGGCAAC
 GGGATGACAGCAGATAAGTTACATAAAATGCTAAGCTTTGGCTTCAGTGACAAAGTCACCATGAATGGTC
 ATGTCCCAGTTGGATTGTACGGGAATGGCTTCAAGTCAAGTTCTATGCGACTGGGCAAAGATGCAATGGT
 TTTTACAAAAATGGAGAAACCATGAGTGTGGCTTCTGTCTCAGACCTACCTGGAAAGTCATAAAGGCG
 GAGCACGTTGTTGCCGATCGTGACGTTCAACAAACACCGTCAGATGATTAATTAACAGAATCAAAG
 CAAGCCTAGCAGCAATTCTGGAACATTCTGTCTTCTACGGAACAGAAATTAAGTGCAGAACTCAATGC
 TATCATGGGTAAAGGGGACAAGAATCATCTTTGGAATCTCAGAAGTTACAAAAATGCAACAGAATTT
 GATTTTAAAAGGATAAATACGACATCAGAATTCCTGAGGATTTAGATGAGACTGCAAGGAGGAAAGGGT
 ACAAGAAACAAGAAAGATGGACCAATGGCCCTGAGAGTGACTATTCCTTAAGGGCTTACTGCAGCAT
 TTTATACCTTAAACCAAGAATGCAGATCATACGTGGACAGAAAGTGAAGACACAAGTCTTCAAAG
 AGTCTTGCCCTACATTGAACGTGATGTTACCGACCTAAATTTTTAACTAGAACAGTGAGAATTACTTTTG
 GATTCACCTGCAGAAATAAAGATCACTATGGGATAATGATGTATCACAAAAACAGACTCATCAAGGCTTA
 TGAAAAAGTAGGATGTCAGTTAAAGGCAAAACATGGGTGTTGGAGTGGTTGGAATTAAGAATGTAAT
 TTCCTTAAGCCAACTCATAATAAGCAAGATTTGACTACATAATGAGTACAGGCTTACGATACTAGCAC
 TAGGAGAAAAAGCTGAATGATTATTGGAATGAAATGAAAGTGAAGAAAAAATGCAGAAATCCTGAAACTT
 GCCAGTCGAAGACATACAGAAGCGTCTGATCAGACATGGGTTCATGTGACGCTTGTCTAAAGTGGCGA
 AAGTTACCAGATGGGATAGATCAGCTTCCAGAAAAATGGTATTGCTCCAATAACCCCTGACCCACAGTTCA
 GAAACTGTGAAGTCCGGAAGAACCTGAAGATGAGGATTTAGTGCATCCTACTTATGAGAAAACTATAA
 AAAGACGAGCAAGGAGAGATTCAAGATCAGACAACCGAAATCCTCCCTCGAATCCTCCCTCAGATTAAC
 CCTGAGCTATTGTATCAGACAAGTGTTCAGTCAAGCTTCTCCCTGTGAAGGAGAGCGTTCCAAGAC
 CACATCTTTCTGAAGTCACGAGTCCCTTGCAGCAAGGATTATAAATCTCAACCTTGCTTACCAGCGTC
 TGAACCTGAGAACAGTAGCATGAAGCGGAACTGGTGTCACTCATCAATCTGAATGCAAGACTCGG
 AGATTAAGTAATCCTCCAGTTGAAAATTCATCTTACAAAAATGATGATGATGAAGATGCATCATTTTAG
 AAGAAAAATAGTACCCCAAGCCTGCAGTAGATCTTGAAGTTAAATCAGATATTGAAGTCAAGTCAGAACA
 GAGCCACACTGAGCAGAGCGGCATTATGTTGACCTTGAAGCAGTCTAAGCCTTGTGTCCAGGCCAGT
 TCCACAAGCACTTCCACCTCCAGGAGTGACCCAGGCATTACGGTCTCCACTCAGACCGATGCACCAGGCC
 TGACCGTGAAAAAGGAAGAAAGTATGGAAGAGGACATGGGTGTGAGGAACGGCACAGCCACCCTGTCCCTG
 TGTCCGCTACTGAGGCAAAAGTGCAGGAGACCTCGGCTGAGTCCGTAGATGCCACTAGCCATCAGTTACAA
 GAAGTGAAGAGTGAAGTGTGTAGTACACAAGAAAGAGATGATTACAAGAGACAGTCCAGATGTTTA
 CTGATCAGATACAGGTGTTACAGCAAAGACTATTGGAGATGAACGACAAGTCCGTGAAGAAGGAGAAGTG
 CCACCACTACTGAAACTGACGCAAGTGTCTACTTGACAGTGTAAACGGTCAGGCTGAGAGCCTGGAC
 CACTTGGGGTCTCAGTACCAGCAAGCACTGCAGGAGATAGAAAGGCTGAAGAGACAGTGCAGCGCGCTGC
 AGCAGGTGAAGAGTGAAGTGCAGCCAGGCTTCTGCACTGAGAGCAAAAGCGAGGTGGACGAGATGGCCGT
 GCAGCTTGATGATGTGTTCAAGCAGCTGGACAAGTGCACCATTGAGAGGGACCAGTACAAGAACGAGGTT
 CAGTTGTTGAAAATAGAGAAGTCAACATTCATTCTCAGTGTGAAGAGCTGCAGACTGAAGTGGAGCAGC
 TGAAGTCCACAGGCCAACAGGCAGCGGCCGATGGGTCCACTGCAAGCAATGCCGAGGAGCCTGTCAGTTA
 TGTGGACGGGAAAGCCTCAAATTCGTTCTCTTCGAGTCAACGTAGGACAGCTGCTGGCTATGATCGTG
 CCTGATCTGGATCTTCAAGCAGTCAATTATGACGTGGACGTAGTCGATGAGATTCTAGGACAAGTGGTGG
 AGCAGATGAGCGAGATCAGCAGTACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001045529
Insert Size:	2829 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:	<u>NM_001045529.3</u> , <u>NP_001038994.2</u>
RefSeq Size:	4237 bp
RefSeq ORF:	2829 bp
Locus ID:	338467
UniProt ID:	<u>F7BJB9</u>
Cytogenetics:	16 C4
Gene Summary:	Nuclear factor which forms MORC3-NBs (nuclear bodies) via an ATP-dependent mechanism (By similarity). Sumoylated MORC3-NBs can also associate with PML-NBs (By similarity). Recruits TP53 and SP100 to PML-NBs, thus regulating TP53 activity (PubMed:17332504). Binds RNA in vitro (By similarity).[UniProtKB/Swiss-Prot Function]