

Product datasheet for **MC222886**

Meioc (NM_001127576) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meioc (NM_001127576) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meioc
Synonyms:	Gm663; Gm1564
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC222886 representing NM_001127576
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGTGAGCGCGGAGACACCTGCCGGCCCGTCAACCCCAAGGCCTGAGGGAGGGACCTGAGCCGA
 AGGTGGCGCGCGCGCGCGCGCTTCCGTGGAAGCGCAATCGGTGCTGGAACCTCAGCGTCGACACCAG
 CAATAGATTATCCGACGCTTCAACAGCATGATGCTGACCGGCTCGGCGCCCTTCTATGATTGCTACAAG
 TCTCAGAACAAGACAATGTAGACCTAAGGACAGCTGCACTCCACTCTCCTCATCAACAGAGTATGCAA
 GTTCTATAGACTCCTCACTCTTCTATGCACCATGGTCTACTTACGGAGACGATATAAACAACTCCAG
 TTCTCAGATCAGTGTAAAGAACAGGATTCAGACCGAAAGAAATGACTATGGCAGTAAACAGACTTATAT
 GGACTCGTGTCTAACATTTTGAAGAACAGGATAAGTCGCAGCCATATTTGCTGAAGGGACCTGCTCCT
 CCAACTTAAAGTCAGTTTGGCCAATGAACACAAGCAGATTTGTAGATCACCATGACCTCTAACAGAACC
 CAAAAGGCCAGTAGATACATCTATCTCAGCAAGCGTTTTATAGTGGTGAATCTGTGTCAGCAGTGAA
 AAGCAATACTTGCAATAATAGTTCTCTCACACCACAGCAAAAAATAGATGAGCTTTATCATGGTTACTG
 GTTTAGACCTTGAAGAACAATGGCTGTACCTTTCAAGAAGTATCATTCTAACTGTTACAATAGTACGGC
 TAATGATACAGTTAAGGCAACTTTCAAGAATATCCATTTGTCAAAAAGTGTTCACACCACAGACTGGC
 CTGTCTGATATCATGAAAGAATCAGGAATTGATACTTATGCCTATGGAAGAGAGAAAAATGTAATAAG
 GTCTTGAAACACCATTACAGCATAAAAGGGCAGAGATATTTCTTCCCAATTAATAGATATAATGAAAA
 TGCAGATTATTGTAGATATCCAGAATATGCTCATCCTAATAAGGCAAAGCTTAACAAATGTTCAAATTTT
 AGTGTCCAAGATGGTAAAAAGTTAGCCAATGGCACACCTGAGACACCACTGTGGAAGCAGATGCCTATA
 CGAAGTTATTTCAAGTTAAACCAGCAAAATCAGAAAAAATGGAGGAGACAATACCTGACCAGCAGAAATTT
 TGCATTTCCAAAAACAACACCACATCTGACAGAAAAACAGTTTTGCAAAGGAAGCAGCATTCACTGCTGAT
 TTTGGCTTAAATCAGAATATGGACTAAAGCCTCACACAGCTTGCCAATAATAATGATTTTGCTAATG
 TCTCTGAAAAGCAACAGTTTGTAAAGCCTGACCCCTAACTCTGAATATTTAAATCAGTGAATTTATT
 CTCAAATTCAGCAACATCTTCAGGAGGTATCAGTTTAAACAGACCAACTTGGATGAATGTTCAAACAAAA
 AATAACCTTCTATTCTTATCGAAATCAAGGTAACCTTGATGAAATGAATAGTCATTTAAGTGCAGCTT
 CAAAAGTTCTAACCACTCTTCAGATTTTCCCAACTTTCATCTACAAATTAACCTCAAATAGCAACTT
 ATTTCAGAAGTATGCAAGAAAACCTTCAGCATTCTTAGTTTTGATTTTAGTTACAACGGTGCAGAA
 AGAATTCAGTCTGTGAATCACATGGAAGGACTAACAAAAACCGGAGAAGACAATCTCTTTGAATCAGTTA
 CAGAGAAAAAATAAGCAGCAAAATGGATTTTGTGATAGCTATTCAGCTTACAGTATGGGATAATAGA
 AAATGTAACAACAATAATTTTCAAGCCAAGCCCCAGAGTGGACATTATGATCCTGAGGACATTCAAAAG
 CATTTTGTAGGCTTACCTCAAATACATATCAAGATCTGTTAGAGTCACAGGGTCATTTAATAGCCACA
 GACAAGGAAGTGGAGACAACAATATTAATAGCCGTGTGAATCGCACACAGGCCTCATGCTTTTCTAATAA
 TTATATGATGGGAGATTTACGACATAATCAGGGTTTTCAACAACCTTGGTTCAAATGGGTTTCCCCTAAGA
 TCTACCCACCTTTGGCCATTCAGTTGTTCCACTGTTGGATTCTATGATTTGTTTTCTTATGATGACT
 TAAGCCATTTATCCTTATTTAATGACATGATGTATGGTGATAATTCCTTTCTGGTTTTGTGCCAAC
 TTTTGGATTTCAAAGACCAATTAACCCCGTAGTGGACCAGCTAGTGAAGTTCATATTCGCTAGAAGAG
 TGCTATGAACAATGGCGAGCATTGGAAAAAGGAGAGAAAAAAGACTGAATTAGCCCTTGCCAAGAATTATC
 CAGGAAAAAAGTATCCAGTACTAATAACTCCAATTCCAAGACTGACTTCCAACCCATCTAGAGTTGA
 TCGGTTAATTGTGGATGAACTTCGAGAACAAGCCAGAGTTGTGACTTTACTGGGCAAAATGGAACGTCTT
 CGAAGCTCTCCCCTTCTGCTAATATCTCTACTGCTCTTGATAGACACTTGGAGTCAATTCACATTTGAC
 AGTCACGTAGAAAGGATGAAATTTGTAATGCTTCAAATCGGCAAAGACAAGGAGTGCCTAGGTGCCAAGA
 TGACAGAGATGTGTTGCCCTTGTACAGCAATTAAGAGATGTGTGAGCTACTCGAAAAGCACGCACT
 ACCCTATGGTGTGCACTGCAGATGACCTTGCCCAAAACAGCAAGTACAGCGGGCCAAGCTGACATGGAAA
 AGGCTTTCCAAGATCTAGTAACTGTGAAGAGAAAGTCCATGAAAGCATAAATAGTGAATCCAATGAA
 CCAGAGAGGTGAAACAAGTAAACAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001127576
Insert Size:	2898 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_001127576.2</u> , <u>NP_001121048.1</u>
RefSeq Size:	4577 bp
RefSeq ORF:	2898 bp
Locus ID:	268491
UniProt ID:	<u>A2AG06</u>
Cytogenetics:	11 E1
Gene Summary:	Is required for meiosis completion in both male and female germ cells. Confers stability to numerous meiotic mRNAs in gonads allowing proper initiation and progression into meiosis prophase I. The function may involve YTHDC2 and is independent of induction by retinoic acid (RA). Maintains an extended meiotic prophase I by properly promoting the transition from a mitotic to a meiotic cell cycle program by binding transcripts through its interaction with YTHDC2 that regulate the mitotic cell cycle (PubMed:28380054).[UniProtKB/Swiss-Prot Function]