

Product datasheet for **MC219564**

Migal (NM_174868) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Migal
Synonyms:	A930038D06; AI852168; C030011O14Rik; Fam73a; Mital
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC219564 representing NM_174868
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCAGACGAGACAGTCAGCAGATCACAGTTCTCCTTGAAGACGTACGCAGTTAGAGTGTTTGCTCTCC
 CTGTGTCTTGGTATTATTCTCTCTCCAGATCAAATTTTCACCAGTAGCTAAGAAGCTGTTTCATGGTAAC
 TGCCGTGAGTGCTGTGTCTGTGATTTTCTGGCCCATCACTTTAAAGAAGACGGGAAAAACAGAAGGGC
 AAAGTGCTGCCCTGGGAACCCGAGCACCTCCTCTTGAGCACACTAGGAGAGCTGCATCAGAAAAAGGTT
 CGAGTTGCTCCAGCAGTCGGCAGAACTGACCTTGTCGTTAAGCTCCACCAAGGAGAAAGGATCTCAGTG
 TTGCAACTAGCCGAATGGAGGGCTTCTCAGCAGATACTCGGGCTCTGCCAGAGCCTGGGCTCCGTCCAG
 AGTGTTAACTCCTGTATAGTTGTGCTTGTGGAATTTCTAATTCCTGGGACAAAGCAGACGATGATGACA
 TCAGACTTGTTAACATTCTGTGACCACACCTGAGAACTTATACCTGATGGGTATGGAATTTTGAAGA
 GCGGTTACGACGATGGGAACAAGCTCTGACTTTTGAAGTAGACAGGCTGAAGATGAAGCCTGCAGCTCT
 GTTAAACTGGGAGCCGGAGATGCCATTGCAGAGAAAGTGTGGATGATATTATTAGTTTCAGAAATTCATCC
 ATAACTTGAAGCTCTACTGCAAGAGCGTATCGTCTCCAAGAGGAGTTTGAGGCTACCCCTGGGGGATC
 TGACCCTAATTCCATTGCAATGATACTGATAAAGACACAGACATGAGCTTGAGGGAGACTATGGATGAG
 CTTGGCCTGCCAGACCCATGAACATGGACTCAGCAGATCTTTGCTTCAGCAACAGAGCTCGCAGAGC
 AGAGAGAAGCGCAGCAGACCTTCAGCCTGGAGTCTTTTTGTCCCTGCCCTTTCTACGAAGAAGCTATGCA
 TTTAGTTGAAGAAGGAAAAATTTACTCCAGAGTGCTGAGAACGGAGATGCTGGAGTGCCTGGGAGACAGT
 GACTTCCTGCCAACTTCACTGTATCCGGCAGGCTTTTCAGCTAATCCTTGCAAGCAGACACAACAGGT
 CATTCTTGCTGAAAGTGAAGGAAAAATTTGTCAGCTTTAATTGTGAAAGCACGGAAGAATCCAAGAA
 ATTTCAAGATGTTTTGATGAAATGATCAATTTTTAGAGCAGACTGATCACTGGGATAGCACTGAGCTG
 GAACTTGCTGCCAGAGGGTGAAAAATTTAAATTTTATGACGTGGTTCTGGATTTTATTAATGGATT
 CCTTTGAAGATTTAGAAAACCCACCGACATCCATACAGAGCGTAGTGAACAATCGCTGGCTCAACTCTTC
 CTTCAAGAAAGCGCTGTGGCTTCAAGTTGTTGGTCAGTGCTGAAACAGAAAAGGCAACAGATGAAGATC
 TCAGATGGATTTTTCGCTCATTTTTATGCCATTTGTGAGCATGTACGCCCTGTTTTAGCCTGGGGCTTCT
 TGGGTCTAGAAATTTCTCTATGACTTATGTTGCTTCTTAAAGATCAAGTTCTTTCTTCTCAAAGA
 CATCTTCGACTTTGAGAAGGTGCGCTATTCGAGCATAGACACGCTGGCGGAGGACCTCACGCACCTACTC
 ATCCGCCGACGGAGCTGCTGGTCACCTGTCTTGGTGCAGATGCCCTGAGGCACGCCACCACTTGCACGA
 GTGGACACTCCACGCCGTGCCCACTGCGCTCTTAGAAGCCAAAGTACAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_174868

Insert Size: 1803 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_174868.4, NP_777357.2</u>
RefSeq Size:	5355 bp
RefSeq ORF:	1803 bp
Locus ID:	215708
UniProt ID:	<u>Q4QQM5</u>
Cytogenetics:	3 H3
Gene Summary:	Regulator of mitochondrial fusion (PubMed:26711011). Acts by forming homo- and heterodimers at the mitochondrial outer membrane and facilitating the formation of PLD6/MitoPLD dimers. May act by regulating phospholipid metabolism via PLD6/MitoPLD (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.