

Product datasheet for **MC216198**

Mief2 (NM_001009927) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mief2 (NM_001009927) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mief2
Synonyms:	AI482195; Gm11; Smcr7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216198 representing NM_001009927
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGAGTTCTCCAGAAGCAGAGAAACAGAGCGGCAGCGAGGGCCTGGGCAGTGTGGTGGACTTCC
 TCTTGGCTAATGCTCGATTGGTGTAGGTGTGGGCGGGGCTGCAGTGTGGGCATTGCTACCCTGGCTGT
 AAAGCGGCTCATCGACAGGGCCACCAGCCCTCCAGATGAGGATGACACCAAGGGGACAGCTGGAAGGAA
 CTGAGCCTGCTGAGAGCCACATCGCCCCAAAAGCCCCAACCCCTCCTGTGCCTTCAGCCAGCCCTAG
 CTAAGGGTCCCCCTCCCCCTGTGCCAGTGGAGCCACGCCATTATTCTCCACGACACCTAAGTT
 CAGCACTATAGCACCCCTGTGCCTGACGTTCCAGGAGAGGCTGCTGGCCTTCGAGCGCAAGCATGTGATT
 ACCCCAGAAGCCACGTGACGTTGGCGAAACAGCTGGCTGGAGACATTGCCTTGGAGCTGCAGGCCACT
 TGAGGAGCAAGTCCCAGAAGTCCCTTTGGTGCCTCGTCCGGGTGGCCTCTCTACGACGGGTCCA
 GGCAGGGACTGCTGAGCAGTGCCTGCTGGCGCCTCTGGAGTTGGAGCCGGGGCTATGGAGCCTGGTA
 CCTGGCGTGGACTGTGGCCAGGGAGCCTCGATGCTGGGCTGTACGCAGGACTCAGCTTGAGTTTCATC
 CCCGTGGGTGCAGCCATGGGACCGCTTCTGGTGGGGGGCTACCTCTCCTCCCGAGTCTTGTGGAGCT
 GCTACGGAAGGCCCTGTGAGCCTCTGTCAACTGGCCAGCCATTGGCAGCCTGCTCGGGTGTCTGATCTGG
 CCCGATGTGGCTTCGGAGGAGCTGCTGCTCAAAGTGAACACGAGTGCCTGGAGTTCACTTTAGCTGTGC
 TCATGGTAGTCCCTGGGGCCAGCACTGATGACCGCCTGCTGTGGCTTGGCCCTAGAGGGGCTGGCCAG
 CAATCTCTGGCTGCAGGATCTATATCCAGTAGAGACCGCCGTTTGGGGCCCTGGATGACCAGGATGCT
 GGTACTCGGCGGAGGTTGTTGCTGCTGTGTGGTATCTGTCTGGCCATCCGGCTCTAGTCCGGCTGG
 GCTGGAGCCACCTGACTCAGGTGGTTCTGCATCTGGGTGAAGAGGAAGTGGCCTGGACTGAGGAGCCTT
 GGGGAACCGGTTTCTGCAAGCCCTGGAGTTTCTGGTGGGAGCTTGGAGCAGGCTAGCCTGCCCTGTAC
 TTCAACCCAGTGTGAACCTCTGGGTAACCTCCGGGAAGAGGAGATTGATGACATTGGCTACGTGCTGT
 ACAGCGCCTCCAGTTCTGAAAGCCTATTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001009927
- Insert Size:** 1365 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_001009927.2](#), [NP_001009927.1](#)

RefSeq Size: 2564 bp

RefSeq ORF: 1365 bp

Locus ID: 237781

UniProt ID: [Q5NCS9](#)

Cytogenetics: 11 B2

Gene Summary: Mitochondrial outer membrane protein which regulates mitochondrial organization. It is required for mitochondrial fission and promotes the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity.[UniProtKB/Swiss-Prot Function]