

## Product datasheet for **RN201776**

### Meltf (NM\_001105872) Rat Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Meltf (NM_001105872) Rat Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Meltf                                   |
| Synonyms:                 | Magea1; Mfi2                            |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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**Fully Sequenced ORF:** >RN201776 representing NM\_001105872  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGCTCTGAGCGTGACTTTTTGGCTACTCCTGTCCCTGCGCACTGTCTCTGTGTGATGGAGATGC  
 AGTGGTGTACCATCTCAGACCCGGAACAGCAGAAATGCAAGGACATGAGCAAGGCTTTCCAGGGAGCTGG  
 AATTCAGCCCTCCCTCCTCTGCGTCCAGGGCACCTCCACTGACCACTGCGTCCAGCTCATCAAGGACCAA  
 AAAGCGGATGCCATCACCTGGATGGAGGAGCCATCTATCAGGCTGGCAAGGAGTATGGCCTGAAGCCAG  
 TGGTGGGTGAAGTCTATGACCAAGACATTGGGACTTCTATTATGCGGTGGCTGTGGTCAGGAGGAATTC  
 CAATGTGACCATCAACACCCTGAAGGGCGTCAAGTCTGCCACACTGGCATTAAACCGGACTGTGGGCTGG  
 AATGTGCCTGTGCGCTACCTCGTAGAGACTGGCCATCTGTCAGTGTGGCTGCGATGTGCTCAAAGCCG  
 TTGGCGATTATTTGGGGCAGCTGTGCCCTGGAGCGGAGAAACCAGCCATTCGAGTCCCTCTGTCCG  
 CCTCTGCCGTGGTGACTTCTGGGCACAATGTGTGTGACAAGAGTCCCCTAGAGAGATACTATGACTAC  
 AGCGGAGCCTTCCGGTGCCTGGCGGAAGGAGCCGGTGATGTGGCCTTCGTGAAGCACAGCACAGTGTGG  
 AGAACACTGATGGGAAAACCTGCCTTCTGGGCAAGGCCCTGATGTCACAGGACTTCCAGCTACTCTG  
 CAGGGACGGCAGCCGGGCTGACATTACTGAGTGGAGACGATGCCACTTGGCCAAGGTGCCTGCTCATGCT  
 GTGGTGGTCAGGGATGACATGGACGGAGGCCTCATATTCGGGCTGCTCAACGAAGGCCAGCTTCTGTTCA  
 GCCATGAAGACAGCAGCTTCCAGATGTTCCAGCTCCAAAGCCTACGGCCAGAAGAACTTGCTGTCAAAGA  
 CTCCACCCTAGAGCTCGTGGCCATTGCCACACAGAACTATGAGTCTGGCTGGCCAGGAATACCTGCAT  
 CCGAGATCCAGAAGTGTGGCGATATGGCTGTGGCCTTCCAGCCAGAGTCTGAAGCCAGAGATCCAGTG  
 TGTGTCAGCCGAGTCCCCTGAGCACTGCATGCAGCAGATCCAGGCTGGGCACATCGATGCTGTGACTCTG  
 AGGGGCGAAGACATTTACAGGGCAGGAAAGGCATATGGCCTGGTTCGGGCGGCTGGGGAGCTGTATGCTG  
 AGGAGGACAGGAGTAATTCCTACTTTGTGGTGGCTGTGGTGGAGCGGGACAGCTCCTACTCCTTACCCT  
 GGATGAGCTTCGAGCAAGCGTTCTGCCACCCAGGCTTGGGAGCCCTGCGGGCTGGGAGGTGCCATA  
 GGCTCCCTCATCCAGCGGGGCTTCCAGGCCCCAAGGACTGTGATGTGCTCACAGCGGTGAGCGAGTTCT  
 TCAATGCCAGCTGTGTGCTGTAACAACCTAAGAACTACCCCTCCTACTGTGCGCGCTCTGCGTGGG  
 AGATGAGAAGGGCCGCAACAAGTGTGTGGCAGCAGCCAGGAGAGATACTACGGCTACAGTGGGCCTTC  
 AGGTGCCCTTGTGAGAATGCAGGGGACGTTGCCCTCCTCAAGCACACAAGTGTCTTTGAGAACACAATG  
 GTCACAATCCTGAGCCCTGGGCTTCTCACCTCAGGTGGCAAGACTATGAACTACTGTGCCCAATGGGGC  
 ACGGGCTGAGGTAGACCAGTTCCAAGCTTGCAACCTGGCACAAATGCCATCCCATGCTGTGATGTTTCAT  
 CCAGACACCAACATCTTCACTGTGTACGGACTTCTGGACAAGGCCAGGACCTATTTGGAGACGACCACA  
 ACAAGAACGGTTTCCAAATGTTTGACTCCTCCAAATACCACAGCCAAGATCTGCTTTTCAAAGATGCTAC  
 GGTCCGAGCAGTGCCCGTCCGGGAGAAACCACGTATCTGGACTGGCTGGGCTCTGACTACGTGGTTGCT  
 CTGGAGGGGATGCTATCTCAGCAGTGTCCGGTGCAGGGGCCGGTGCACCGAGTCCCCCACCAGGCC  
 TGCTCTGCTGGCCCTGGCTGCAGGCCTCCTCCCGGAGTCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2256\\_g04.zip](https://cdn.origene.com/chromatograms/ja2256_g04.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001105872

**Insert Size:** 2217 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_001105872.1](#), [NP\\_001099342.1](#)

**RefSeq Size:** 4199 bp

**RefSeq ORF:** 2217 bp

**Locus ID:** 288038

**Cytogenetics:** 11q22