

Product datasheet for **RR201776**

Meltf (NM_001105872) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR201776 representing NM_001105872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCTCTGAGCGTGACTTTTTGGCTACTCCTGTCCCTGCGCACTGTCTCTGTGTGATGGAGATGC
 AGTGGTGTACCATCTCAGACCCGGAACAGCAGAAATGCAAGGACATGAGCAAGGCTTCCAGGGAGCTGG
 AATTCAGCCCTCCCTCCTCTGCGTCCAGGGCACCTCCACTGACCACTGCGTCCAGCTCATCAAGGACCAA
 AAAGCGGATGCCATCACCTGGATGGAGGAGCCATCTATCAGGCTGGCAAGGAGTATGGCCTGAAGCCAG
 TGGTGGGTGAAGTCTATGACCAAGACATTTGGGACTTCTATTATGCGGTGGCTGTGGTCAGGAGGAATTC
 CAATGTGACCATCAACACCCTGAAGGGCGTCAAGTCTGCCACACTGGCATTAAACCGGACTGTGGGCTGG
 AATGTGCCTGTCCGCTACCTCGTAGAGACTGGCCATCTGTGATGATGGGCTGCGATGTGCTCAAAGCCG
 TTGGCGATTATTTGGGGCAGCTGTGCCCTGGAGCGGAGAAACCAGCCATTCGAGTCCCTCTGTCCG
 CCTCTGCCGTGGTGACTTCTGGGCACAATGTGTGTGACAAGAGTCCCCTAGAGAGATACTATGACTAC
 AGCGGAGCCTTCCGGTGCCTGGCGGAAGGAGCCGGTGATGTGGCCTTCGTGAAGCACAGCACAGTGTGG
 AGAACACTGATGGGAAAACCTGCCTTCTGGGGCAAGGCCCTGATGTCACAGGACTTCCAGCTACTCTG
 CAGGGACGGCAGCCGGGCTGACATTACTGAGTGGAGACGATGCCACTTGGCCAAGGTGCCTGCTCATGCT
 GTGGTGGTCAGGGATGACATGGACGGAGGCCTCATATTCGGGCTGCTCAACGAAGGCCAGCTTCTGTTCA
 GCCATGAAGACAGCAGCTTCCAGATGTTGAGCTCCAAAGCCTACGGCCAGAAGAACTTGCTGTCAAAGA
 CTCCACCCTAGAGCTCGTGCCTTGGCACACAGAAGTATGAGTCTGGTGGCCAGGAATACCTGCAT
 CCGAGATCCAGAAGTGTGGCGATATGGCTGTGGCCTTCCAGCCAGAGTCTGAAGCCAGAGATCCAGTG
 TGTGTACGCCGAGTCCCCTGAGCACTGCATGCAGCAGATCCAGGCTGGGCACATCGATGCTGTGACTCTG
 AGGGGCGAAGACATTTACAGGGCAGGAAAGGCATATGGCCTGGTTCGGGGCTGGGGAGCTGTATGCTG
 AGGAGGACAGGAGTAATTCCTACTTTGTGGTGGCTGTGGTGGAGCGGGACAGCTCCTACTCCTTACCCT
 GGATGAGCTTCGAGCAAGCGTTCCTGCCACCCAGGCTTGGGCAGCCCTGCGGGCTGGGAGGTGCCATA
 GGCTCCCTCATCCAGCGGGGCTTCATCCGGCCCAAGGACTGTGATGTGCTCACAGCGGTGAGCGAGTTCT
 TCAATGCCAGCTGTGTGCCTGTAACAACCTAAGAACTACCCCTCCTCACTGTGCGCGCTCTGCGTGGG
 AGATGAGAAGGGCCGCAACAAGTGTGTGGCAGCAGCCAGGAGAGATACTACGGCTACAGTGGGCTTC
 AGGTGCCTTGTGGAGAATGCAGGGGACGTTGCCTTCTCAAGCACAACTGTCTTTGAGAACACAAATG
 GTCACAACTCTGAGCCCTGGGCTTCTCACCTCAGGTGGCAAGACTATGAACTACTGTGCCCAATGGGGC
 ACGGGCTGAGGTAGACCAGTTCCAAGCTTGCAACCTGGCACAAATGCCATCCCATGCTGTGATGTTTCAT
 CCAGACACCAACATCTTCACTGTGTACGGACTTCTGGACAAGGCCAGGACCTATTTGGAGACGACCACA
 ACAAGAACGGTTTCCAAATGTTTACTCCTCCAAATACCACAGCCAAGATCTGCTTTTCAAAGATGCTAC
 GGTCCGAGCAGTGCCCGTCCGGGAGAAACCACGATCTGGACTGGTGGGCTCTGACTACGTGGTTGCT
 CTGGAGGGGATGCTATCTCAGCAGTGTCTGGGTGCAGGGCCGCGGTGCACCGAGTCCCCCACCAGGCC
 TGCTCTGCTGGCCCTGGCTGCAGGCCTCCTCCCGGAGTTCTC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201776 representing NM_001105872
 Red=Cloning site Green=Tags(s)

MRLLSVTFWLLLRLRTVLCVMEQWCTISDPEQQKCKDMSKAFQAGIQPSLLCVQGTSTDHCVQLIKDQ
 KADAITLDGGAIYQAGKEYGLKPVVGEVYDQDIGTSYYAVAVRRNSVNTINTLKGVKSCHTGINRTVGW
 NVPVGYLVETGHL SVMGCDVLKAVGDYFGGSCVPGAGETSHSESLCRLCRGDSSGHNVCDKSPLEYYDY
 SGAFRCLAEAGADVAFVKHSTVLENTDGTKLP SWGKALMSQDFQLL CRDGSRADITEWRRCHLAKVPAHA
 VVVRDDMDGGLIFRLLNEGQLLFSHEDSSFQMFSSKAYGQKNLLFKDSTLELVPIATQNYESWLQGEYLH
 AMKGLLCDPNRLPHYLRWCVLSVPEIQKCGDMAVAFSRQSLKPEIQCVSAESPEHCMQQIQAGHIDAVTL
 RGEDIYRAGKAYGLVPAAGELYAEEDRSNSYFVVAVRRDSSYSFTLDELRSKRKRSCHPGLGSPAGWEVPI
 GSLIQRGFIRPKDCDVL TAVSEFFNASCVPVNNPKNYPSL CALCVGDEKGRNKC VGSSQERYYGYSGAF
 RCLVENAGDVAF LKHTTVFENTNGHNPEPWASHLRWQDYELLCPNGARAEVDQFQACNL AQMP SHAVMVH
 PDTNIFTVYGLLDKAQDLFGDDHNKNGFQMF DSSKYHSQDLLFKDATVRAVPVREKTTYLDWLGPDYVVA
 LEGMLSQQCSGAGAAVHRVPPPALLLLALAAGLLPRVL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



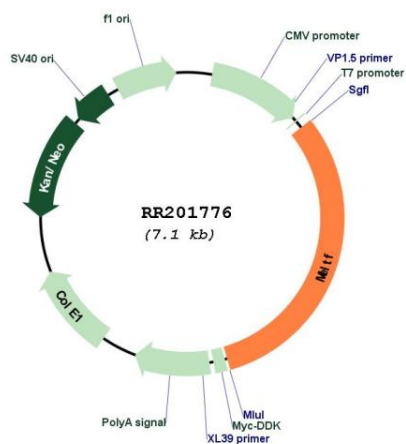
* The last codon before the Stop codon of the ORF

ACCN: NM_001105872

ORF Size: 2214 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001105872.1, NP_001099342.1</u>
RefSeq Size:	4199 bp
RefSeq ORF:	2217 bp
Locus ID:	288038
Cytogenetics:	11q22
MW:	81.3 kDa

Product images:



Circular map for RR201776