

Product datasheet for **MC221232**

Meltf (NM_013900) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meltf (NM_013900) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meltf
Synonyms:	CD228; Mfi2; MTF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221232 representing NM_013900
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGGCTCTGAGCGTGACTTTTTGGCTACTCCTGTCCCTGCGCACTGTCTGTGTGATGGAGGTGC
 AGTGGTGTACCATCTCAGACGCAGAGCAGCAGAAGTGCAAAGACATGAGCGAGGCCCTCCAGGGAGCTGG
 CATTTCGCTCTCCCTTCTCTGCGTCCAGGGCAACTCCGCTGACCACTGTGTCCAGCTCATCAAGGAACAA
 AAAGCAGATGCCATCACCTGGATGGAGGGGCCATCTATGAGGCAGGGAAGGAGCACGGCCTGAAGCCAG
 TGGTGGGGGAAGTCTATGACCAAGACATTGGGACTTCTATTATGCCGTGGCTGTGGTCAGGAGGAATTC
 CAATGTTACCATCAACACCCTGAAGGGCGTCAAGTCTGCCACACAGGCATTAACCGGACTGTGGGCTGG
 AACGTGCCTGTCGGTTACCTCGTAGAGAGCGGCCATCTGTCAGTGATGGGCTGTGATGTGCTCAAAGCCG
 TTGGTGATTATTTGGAGGCAGCTGTGCCCTGGAACAGGAGAAACCAGCCATTCGAGTCCCTCTGTCCG
 CCTCTGCCGTGGCGACTTCTGGGCACAATGTGTGTGACAAGAGTCCCCTAGAGAGATACTACGACTAC
 AGTGGAGCCTCCGGTGCCTGGCGGAAGGAGCCGGTGACGTGGCCTTCGTGAAGCACAGCACAGTGCCTGG
 AAAATACTGATGGAAACACCCTGCCTTCTGGGGCAAGTCCCTGATGTCAGAGGACTTCCAGCTACTATG
 CAGGGATGGCAGCCGAGCCGACATCACTGAGTGGAGACGTTGCCACCTGGCCAAGGTGCCTGCTCATGCT
 GTGGTGGTCAGGGGTGACATGGATGGCGGTCTCATATTCCAAGTCTCAACGAAGGCCAGCTTCTGTTCA
 GCCATGAAGACAGCAGCTTCCAGATGTTCAAGTCCAAAGCCTACAGCCAGAAGAAGTGTGTTCAAAGA
 CTCCACCTTGGAGCTTGTGCCATTGCCACACAGAAGTATGAGGCCTGGCTGGCCAGGAATACCTGCAG
 CCGAGATCCAGAAGTGTGGAGATATGGCTGTGGCCTTCAGCCGCCAGAATCTCAAGCCGGAATTCAGTG
 TGTGTCGGCCGAGTCCCCTGAGCACTGCATGGAGCAGATCCAGGCTGGGCACACTGACGCTGTGACTCTG
 AGGGGCGAGGACATTTACAGGGCAGGAAAGGTGTACGGCCTGGTTCGGCGGGCCGGGGAGCTGTATGCTG
 AGGAGGACAGGAGCAATTCCTACTTTGTGGTGGCTGTGGCAAGAAGGGACAGCTCCTACTCCTTACCCT
 GGACGAGCTTCGCGGCAAGCGTTCTGCCACCCCTACTTGGGCAGCCAGCGGGCTGGGAGGTGCCCATC
 GGCTCCCTCATCCAGCGGGGCTTCATCCGGCCCAAGGACTGTGATGTCCTCACAGCGGTGAGCCAGTTCT
 TCAATGCCAGCTGCGTGCCTGTCAACAACCCTAAGAAGTACCCTCCGCACTATGTGCGCTCTGCGTGGG
 AGACGAGAAGGGCCGCAACAAATGTGTGGGAGCAGCCAGGAGAGATACTACGGCTACAGCGGGGCTTC
 AGGTGCCTTGTGGAGCATGCAGGGGACGTGGCTTTCGTC AAGCACACGACTGTCTTTGAGAACACAAATG
 GTCACAATCCTGAGCCTTGGGCTTCTCACCTCAGGTGGCAAGACTATGAACTACTGTGCCCAATGGGGC
 ACGGGCTGAGGTAGACCAGTTCCAAGCTTGCAACCTGGCACAAATGCCATCCCACGCTGTATGGTCCGT
 CCAGACACCAACATCTTCACTGTGTATGGACTTCTGGACAAGGCCAGGACCTGTTTGGAGACGACCATA
 ACAAGAACGGTTTCCAAATGTTTACTCCTCCAAATATCACAGCCAAGACCTGCTTTTCAAAGATGCTAC
 AGTCCGAGCGGTGCCAGTCCGGGAGAAAACCACATACCTGGACTGGCTGGTCTGACTATGTGGTTGCG
 CTGGAGGGGATGTTGTCTCAGCAGTGTCCGGTGCAGGGGCCGGGTGCAGCGAGTCCCCTGCTGGCCC
 TGCTCTGCTGACCTGGCTGCAGGCCTCCTTCTCGCGTTCTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3317_c06.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_013900

Insert Size: 2217 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:	NM_013900.2 , NP_038928.1
RefSeq Size:	4133 bp
RefSeq ORF:	2217 bp
Locus ID:	30060
UniProt ID:	Q9R0R1
Cytogenetics:	16 B2
Gene Summary:	Involved in iron cellular uptake. Seems to be internalized and then recycled back to the cell membrane. Binds a single atom of iron per subunit. Could also bind zinc.[UniProtKB/Swiss-Prot Function]