

Product datasheet for **MC221287**

Mut (NM_008650) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mut (NM_008650) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mut
Synonyms:	D230010K02Rik; Mcm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221287 representing NM_008650
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGAGAGCTAAGAATCAACTTTTTTGGCTATCGCCCCATTACCTGAAGCAGCTAAACATTCCATCAG
 CTTCAGATGGAAACGCCTTCTACACCAGCAGCAACCCCTTACCAGAGATGGGCTGACTGGCCAAAAA
 GCAGCTGAAAGGCAAAAACCCAGAGGACCTTATATGGCACACCCAGAGGGATCTCTATAAAGCCCTTA
 TATCCAGGGCAGATACTCTGGACTTACCCGAAGAACTCCAGGAGTGAAGCCATTACACGGGGACCAT
 ATCCTACCATGTATACCTATAGGCCCTGGACCATCCGTCAGTATGCAGGCTTTAGTACTGTGGAAGAAAG
 CAATAAATCTATAAGGACAATATTAAGGCTGGTCAGCAGGGGTTGTCTGTTGCCTTTGACTTGGCAACA
 CATCGTGGTTATGATTACAGACAACCCAGAGTTCGTGGAGATGTTGGAATGGCTGGAGTTGCTATTGACA
 CTGTAGAAGACACCAAAATCCTATTTGATGGCATTCTTTAGAAAAAATGTCGGTTTCCATGACTATGAA
 CGGAGCTGTCATCCAGTCTGGCAACATTTATAGTAAGTGGGGAAGAGCAAGGTGTCCGAAGGAGAAG
 CCACTGGCACAATTGAAATGACATCCTAAAGGAGTTTATGGTCAGAAAATACTTATATTTTTCCCCAG
 AGCCATCGATGAAAATTATTGCTGACATTTTCCAATACACAGCACAGCAGCATGCCAAAATTAATCCAT
 TTCGATTAGCGGGTACCATATGCAGGAAGCAGGAGCTGATGCCATTTTAGAACTGGCCTATACCATCGCA
 GATGGGTTGGAGTACTGCAGAACTGGACTCCAGGCTGGACTCACAAATGATGAATTTGCACCAAGGTTGT
 CTTTCTTCTGGGGAATGGAAATGAACCTTCTACATGGAAATAGCCAAGATGCGAGCTGGGAGAAGACTGTG
 GGCTCACTTAATAGAAAAATGTTCCAGCCTAAAACTCTAAATCTCTTCTTCTAAGAGCACACTGCCAG
 ACATCGGGTGGTCACTTACTGAGCAGGATCCTTACAATAACATGTCCGCACTGCAATCGAAGCCATGG
 CAGCTGTGTTTGGAGGAACCCAGTCTTTGCATACGAACCTTTTGTGAAGCGCTGGGTTTGGCCACTGT
 GAAAAGTGCCTGGATTGCTCGGAACACAGATCATCATTAGGAAGAATCTGGGATCCCCAAAGTGGCG
 GATCCTTGGGAGGGTCTGATGATGGAGTCTGCTCACAATGACGTTTATGAGGCTGCTCTGAAGTTGA
 TATATGAAGTTGAAGAAATGGGTGGAATGGCCAAAGCTGTAGCTGAAGGAATCCCTAAACTTCGATTGA
 AGAATGTGCTGCCGAAGACAAGCTAGAATAGATTCTGGTTCTGAGGTAATTGTTGGAGTAAATAAGTAT
 CAGTTGGAAAAAGAAGACTCTGTGGAGTCTGGCCATTGACAACACTTCAGTGCCTAAGAAGCAGATTG
 AAAAACTAAGAAGATTAATCCAGCAGGGATCAAGCTTTGGCTGAGCAGTGTCTCAGTGCATTAACCA
 GTGTGCTGCCAGTGGAGATGGCAATATTCTGGCTCTGGCAGTGGATGCAGCTCGTCAAGATGTACAGTT
 GGAGAAATCACGGATGCCTTGAAAAAGTATTTGGTGAGCATAAAGCTAATGATCGTATGGTGGAGTGGAG
 CATATCGGCAGGAGTTTGGAGAAAGTAAAGAGATCACATCTGCCATCAAGAGAGTTAATAAATTCATGGA
 ACGTGAAGGTTCGAGACCTCGTCTTCTTGTGGCAAAAATGGGACAAGATGGCCATGACAGGGGAGCCAAG
 GTCATTGTACAGGATTTGCTGATCTTGGTTTTGATGTGGACATAGGCCCTCTTTTTAGACTCCCCGTG
 AAGTGGCGCAGCAAGCTGTGGATGCAGATGTCCATGCTGTGGGTGTGAGCAGTCTGCTGCTGGTCAATA
 AACCTCGTTCCTGAGCTTATCAAAGAACTCACCGCCCTGGGGCGGCCAGATATCCTTGTGATGTGTGG
 GGCGTATTCCACCACAGGATTATGAATTTCTGTATGAAGTTGGTGTTCACACGCTTTTGGTCTGGAA
 CCCGGATTCCAAGAGCTGCTGTCCAAGTCTTGATGATATTGAGAAGTGTGGCAGAGAAGCAGCAGTC
 TGT**GTA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_008650
Insert Size: 2247 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_008650.3 , NP_032676.2
RefSeq Size:	3675 bp
RefSeq ORF:	2247 bp
Locus ID:	17850
UniProt ID:	P16332
Cytogenetics:	17 19.55 cM
Gene Summary:	Involved in the degradation of several amino acids, odd-chain fatty acids and cholesterol via propionyl-CoA to the tricarboxylic acid cycle.[UniProtKB/Swiss-Prot Function]