

Product datasheet for **MC227183**

Ghitm (NM_001199122) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ghitm (NM_001199122) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ghitm
Synonyms: 1010001P14Rik; C77840; MICS1; PTD010; Tmbim5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227183 representing NM_001199122
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGGCTGCAAGGCTTGTGTGCTCCGGACACTACCTCCAGGGTTTTCCAGCCCACTTTCATACCA
AGGCCTCTCCACTTGTGAAGAATCCATCACAAGAACCAATGGCTCGTAACACCCAGCAGGAATATGC
TACCAAGACAAGAATTAGGACTCACCGTGGGAAAACCTGGACAAGAAGTAAAGAGGCAGCCTTGGAAACCA
TCAATGGAAAAAATCTTTAAAATCGATCAAATGGGAAGGTGGTTTTGTGCTGGAGGAGCAGCTGTTGGTC
TTGGAGCGCTCTGCTACTATGGCTTGGGAATGTCTAATGAGATTGGAGCTATCGAAAAGGCTGTAATTTG
GCCTCAGTATGTAAGGATAGAATTCATTCTACTTACATGTACTTAGCAGGAAGTATTGGTTAACAGCT
TTGTCTGCCTTGGCAGTAGCCAGAACACCTGCTCTCATGAACTTCATGATGACAGGCTCTTGGGTGACAA
TTGGTGCGACCTTTCAGCCATGATTGGAGCTGGAATGCTTGTACACTCAATATCATATGAGCAGAGCCC
AGGCCAAAGCATCTGGCTTGGATGCTGCATTCTGGTGTGATGGGTGCAGTTGTGGCTCCTCTGACGATC
TTAGGGGGCCTCTTCTCCTGAGAGCCGATGGTACACCGCTGGTATTGTGGGAGGCCTCTACTGTGG
CCATGTGTGCGCCTAGTGAGAAGTTTCTGAACATGGGAGCACCCCTGGGAGTGGGCTGGGTCTTGTCTT
TGCCTCTCTGGGTCTATGTTTCTTCCCCTACCTCTGTGGCTGGTGCCTGTACTCAGTGGCA
ATGTATGGTGGATTAGTTCTTTTTCAGCATGTTCTTCTGTATGATACTCAGAAAGTAATCAAACGTGCAG
AAATAACACCCATGTATGGAGCTCAAAGTATGATCCCATCAATTCGATGTTGACAACTACATGGATAC
ATTAATATATTTATGCGAGTTGCAACTATGCTAGCAACTGGAAGCAACAGAAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199122



[View online »](#)

Insert Size:	1041 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001199122.1</u> , <u>NP_001186051.1</u>
RefSeq Size:	2953 bp
RefSeq ORF:	1041 bp
Locus ID:	66092
UniProt ID:	<u>Q91VC9</u>
Cytogenetics:	14 21.29 cM
Gene Summary:	Required for the mitochondrial tubular network and cristae organization. Involved in apoptotic release of cytochrome c (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein.