

## Product datasheet for **RN206200**

### Ghitm (NM\_001005908) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ghitm (NM_001005908) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ghitm
Synonyms:	MICS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206200 representing NM_001005908 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCTGCAAGGCTTGTGTCTCCGGACACTACCTCCAGGGTTTTCCAGCCCACTTTCATCACCA  
AGGCTCTCCACTTGTGAAGAATCCATCACAAGAACCAATGGCTCTTAACACCCAGCAGGGAATATGC  
TACCAAGACAAGAATTAGGACTCACCGTGGGAAAAGTGGCAAGAAGTAAAGAGGCAGCCTTGGAGCCA  
TCACTGGAAAAAGTCTTTAAAAATGACCAGATGGGAAAGTGGTTTGTGGGGAGGAGCAGCTGTTGGTC  
TTGGAGCGCTGTGCTACTACGGCTTGGGAATGTCTAATGAGATTGGAGCTATCGAGAAGGCTGTAATCTG  
GCCTCAGTATGTAAGGATAGAATTCATTCTACTTACATGACTTAGCAGGAAGTATTGGTTAACAGCG  
TTGCTGCCCTGGCATTAGCCAGATCACCTGCCCTCATGAACTTCATGATGACAGGCTCTTGGATGACAA  
TTGGTGCAACCTTCGCAGCCATGATTGGAGCTGGAATGCTGGTCCAGTCAATATCGTATGAGCAGAGCCC  
AGGCCAAAGCATCTGGCCTGGATGCTGCATTCTGGTGTGATGGGTGCAGTCGTGGCTCCTCTGACAATC  
TTAGGGGGGCTCTTCTCCTGAGAGCTGCATGGTACACCGCCGGTATTGTGGGAGGCTCTCTACTGTGG  
CCATGTGTGCACCTAGTGAAGTTTCTGAACATGGGAGCACCCCTGGGAGTGGGCTGGGTCTTGTCTT  
TGCATCTTCACTGGGGTCTATGTTCTTCCCCCTACCTCTGTGGCTGGTCCACTCTGTACTCAGTGGCA  
ATGTATGGTGGATTAGTTCTTTTCAGCATGTTCTTCTGTATGATACTCAGAAAGTAGTCAAACGTGCAG  
AAATAACACCCGCTACGGAGCTCAGAAGTATGATCCCATCAATTCGATGCTAACGATCTACATGGATAC  
ATTAATATATTTATGCGAGTTGCAACTATGCTAGCAACTGGAAGCAACAGAAAGAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001005908
<b>Insert Size:</b>	1041 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001005908.1</a></u> , <u><a href="#">NP_001005908.1</a></u>
<b>RefSeq Size:</b>	1397 bp
<b>RefSeq ORF:</b>	1041 bp
<b>Locus ID:</b>	290596
<b>UniProt ID:</b>	<u><a href="#">Q5XIA8</a></u>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	Required for the mitochondrial tubular network and cristae organization. Involved in apoptotic release of cytochrome c (By similarity).[UniProtKB/Swiss-Prot Function]