

## Product datasheet for MC208889

### Gzmm (NM\_008504) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gzmm (NM_008504) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gzmm
Synonyms:	Lmet; Lmet1; MMET-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208889 representing NM_008504 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGTCTGCTGGTCCCTGCTGCTACTGCTGGCCCTGAAAACACTGTGGGCAGCAGGCAACAGATTTG  
 AGACCCAGATCATTGGGGGTCGAGAGGCAGTCCCGCACTCCCGCCATACATGGCCTCTCTACAGAAAGC  
 CAAGTCCCATGTGTGTGGGGAGTCCTTGTGCATCGGAAGTGGGTATTGACAGCTGCCCACTGCCTGTCT  
 GAGCCGCTACAGAACCTGAAGCTGGTGTGGCCTGCACAACCTCCATGATCTCCAAGATCCTGGCCTCA  
 CCTTCTACATCCGGAAGCCATTAACACCCTGGCTACAACCACAAATATGAGAACGACCTGGCACTGCT  
 TAAGCTAGATAGACGAGTGCAGCCAGCAAGAATGTCAAACCACTAGCTCTGCCAAGAAAGCCCGATCC  
 AAGCCGGCAGAAGGTACCTGGTGCAGCAGCTGGCTGGGAATGACCCACCAGGTGGGCCCCGGGCCA  
 GGGCCCTGCAGGAGTTGGATCTGCGTGTGCTGGATACCCAAATGTGTAACAACAGCCGCTTCTGGAACGG  
 TGTCTCATAGACAGCATGCTATGCTTAAAGGCTGGGAGCAAGAGCCAAGCCCCCTGCAAGGGTGACTCT  
 GGAGGGCCCCCTGGTGTGTGGCAAAGGCCAGGTGGATGGGATCCTGTCTTCAGCTCCAAACCTGCACAG  
 ACATCTTCAAGCCACCTGTGGCCACTGCTGTAGCCCCCTACAGCTCCTGGATCAGGAAGGTCAATGGTCG  
 CTGGTCACCCCAATCTTTGGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_008504
Insert Size:	795 bp


[View online »](#)

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_008504.3, NP_032530.1</u>
<b>RefSeq Size:</b>	1304 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	16904
<b>Cytogenetics:</b>	10 39.72 cM
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of a family of cytotoxic lymphocyte serine proteases called granzymes, which are expressed by cytotoxic T lymphocytes and natural killer cells. This protein belongs to a subfamily of granzymes that cleave after methionine residues. Natural killer cell development, homeostasis and cytotoxicity are normal in mice deficient for this gene, but they demonstrate increased susceptibility to murine cytomegalovirus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>