

## Product datasheet for **RR205617**

### Gzmb (NM\_138517) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gzmb (NM_138517) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gzmb
Synonyms:	RNKP-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205617 representing NM_138517 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAGCTCCTTGCTCCTGCTGAGCTTCTCTCTGGCCCCAAGACAGAGGCAGGGGAGATCATCGGGG  
GACATGAAGCCAAGCCCCACTCTCGACCCTACATGGCCTATCTTCAGATCATGGATGAGTATTCTGGGAG  
TAAGAAGTGTGGCGGCTTCCTTATACGAGAAGACTTTGTGCTGACTGCTGCTCACTGTTCCGGGAAGCAAA  
ATAAATGTCACGTTGGGGGCCACAACATCAAAGAACAGGAGAAGATGCAACAAATCATCCCTGTGGTGA  
AAATCATTCCCCACCCAGCGTATAATTCTAAGACAATCTCCAATGACATCATGCTGTTAAAGCTGAAGAG  
TAAGGCCAAGAGGTCTAGCGCTGTGAAGCCTCTCAATCTGCCAGACGCAACGTCAAAGTAAAACCAGGA  
GATGTGTGCTATGTGGCTGGTTGGGAAAGCTGGGCCAATGGGCAAACTACTCAGACACACTACAAGAGG  
TTGAGCTAACAGTACAGGAGGATCAGAAGTGTGAGTCCTACTTAAAAAATATTTTCGACAAAGCCAATGA  
GATATGTGCAGGGGACCCAAAGATCAAACGTGCTTCTTTCCGGGGGACTCTGGAGGGCCTTTGTGTGT  
AAAAAAGTGGCCGCGGCATCGTCTCTATGGACAAAATGATGGTTCAACTCCACGGGCATTACCAAAG  
TCTCGACTTTCCTATCATGGATAAAGAAAACATGAAAAAGAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR205617 representing NM\_138517  
Red=Cloning site Green=Tags(s)

MKLLLLLLSFSLAPKTEAGEIIGGHEAKPHSRPYMAYLQIMDEYSGSKCGGFLIREDFVLTAAHCSGSK  
 INVTLGAHNIKEQEKMQQIIPVVKIIPHPAYNSKTIISNDIMLLKLKSKAKRSSAVKPLNLP RRNVKVKPG  
 DVCYVAGWGKLGPMGKYSIDLQEVLELVQEDQKCESYLKNYFDKANEICAGDPKIKRASFRGDSGGPLVC  
 KKVAAGIVSYGQNDGSTPRAFTKVSTFLSWIKKTMKKS

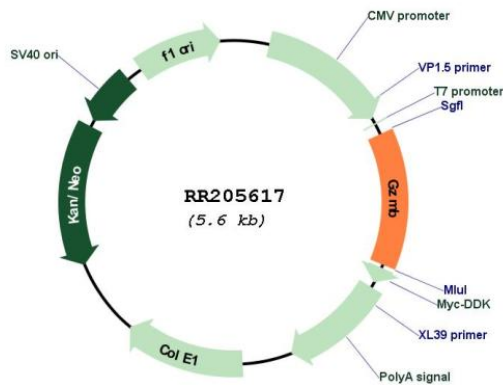
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_138517  
**ORF Size:** 744 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_138517.3</a> , <a href="#">NP_612526.2</a>
<b>RefSeq Size:</b>	1445 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	171528
<b>UniProt ID:</b>	<a href="#">P18291</a>
<b>Cytogenetics:</b>	15p12
<b>MW:</b>	27.3 kDa
<b>Gene Summary:</b>	serine proteinase found in the duodenum [RGD, Feb 2006]