

Product datasheet for **RR213237**

Gzma (NM_153468) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gzma (NM_153468) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gzma
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213237 representing NM_153468
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAACCCCTGTGCTCCCTGGGTGTCCTCTTACTACTGTCATTTTCTTCTGCTAATTCCTGAAG
GTGGCTGTGAAAGAATCATTGGAGGAGACACAGTAGTTCCTCACTCAAGGCCATACATGGTTCTACTTAA
ACTTAAACCAGACAGCATCTGTGCTGGCGCTTTGATTGCAAAAACTGGGTGTTGACCGCTGCACATTGT
ATCCCGGAAAGAAATCTGAGGTATTCTTGGGGCTCACTCAATAAAAAAAGAGCCGGAACAACAGATAT
TATCTGTTAAGAAAGCATATCCCTATCCTTGCTTTGACAAACACACACATGAGGGTGATCTACAATTCT
ACGGCTAAAGAAAAAGCAACACTTAACAAAAACGTGGCTATCCTTCATCTACCTAAAAAGGGGGATGAT
GTGAAACCAGGAACCAGATGTATGTAGCAGGGTGGGGCGTTTTACAATAAGTACCTCCCTCTGATA
CTCTGAGAGAAGTCAACACTGTCATAGACAGAAAAATCTGCAATGATGAAAAACTATAATTTTAA
CCCTGTAATTGGACTAAATATGATTTGTCCGAAACCTCCGTGGTGGGAAGGACTCATGCTACGGAGAT
TCTGGAGGCCCTCTGCTATGTGAGGGTATTTCCGAGGCATCACAGCTTTTGGCCTTGAGGAAGGTGTG
GAGACCCCAAAGGCCTGGCATCTATACTTTACTCTCAGACAAACACCTCGATTGGATAAGGAAGACTGC
GAAGGGCGCTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213237 representing NM_153468
 Red=Cloning site Green=Tags(s)

MRNPCAPWVSSLTTVIFLLLIPGGCERIIIGGDTVPHSRPYMVLLKLPDSICAGALIKNWVLTAAHC
 IPGKKSEVILGAHSIKKEPEQQILSVKKAYPYPCFDKHTHEGLQLLRKKKATLNKNVAILHLPKKGDD
 VKPGTRCHVAGWGRFHNKSPPSDTLREVNITVIDRKICNDEKHYNFNPVIGLNMICAGNLGGKDSYGD
 SGGPLLCEGIFRGITAFGLEGRCDPKGPGIYTLTLLSDKHLDWIRKTAKGAV

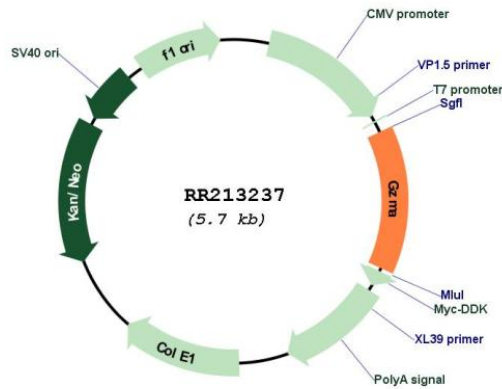
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_153468

ORF Size: 783 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_153468.1 , NP_703198.1
RefSeq Size:	786 bp
RefSeq ORF:	786 bp
Locus ID:	266708
Cytogenetics:	2q14
MW:	28.6 kDa
Gene Summary:	has trypsin activity, binds and is inhibited by pancreatic secretory trypsin inhibitor [RGD, Feb 2006]