

Product datasheet for **MC204988**

Gzma (NM_010370) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gzma (NM_010370) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gzma
Synonyms: AW494114; Ctla-3; Ctla3; Hf; Hf1; SE1; TSP-1; TSP1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC061146
 ATCCCTGCTGATTGGGGTGGGAGAGCCACGATGAGGAACGCTCTGGTCCCCGGGGGCCATCTCTTGCTA
 CTCTCCTTTTTTCTCTGCTTATTCCTGAAGGAGGCTGTGAAAGAATCATTGGAGGAGACACGGTTGTTC
 TCACTCAAGACCGTATATGGCTCTACTTAACTTAGTTCAAATACCATCTGTGCTGGCGCTTTGATTGAA
 AAGAAGTGGGTGTTGACTGCTGCCACTGTAACGTGGGAAAGAGATCTAAGTTTCATTCTTGGGGCTCACT
 CAATCAATAAGGAGCCAGAACACAGATATTGACTGTTAAGAAAGCATTCCCTATCCATGCTATGATGA
 ATATACACGTGAGGGGATCTACAACCTGTACGGCTAAAGAAAAAGCAACAGTTAACAGAAATGTGGCT
 ATCCTTACCTACCTAAAAAGGGAGATGATGTGAAACCAGGAACCAGATGCCGAGTAGCAGGATGGGGGA
 GATTTGGCAATAAGTCAGCTCCCTCTGAACTCTGAGAGAAGTCAACATCACTGTCATAGACAGAAAAAT
 CTGCAATGATGAAAAACTATAATTTTCATCCTGTAATTGGACTAAACATGATTTGTGCAGGGGACCTC
 CGTGGTGGAAAGGACTCCTGCAATGGGGATTCTGGCAGCCCTCTGCTATGTGATGGTATTTTGCAGGCA
 TCACCTCTTTGGTGGAGAGAAGTGTGGAGATCGCCGATGGCCTGGTGTCTATACTTCCCTCAGATAA
 ACACCTCAATTGGATAAAGAAGATTATGAAGGGTCTGTGTAATGTATGCTTTCACTCCATCCCTGTC
 ACTTCTGTGCTGATCACAAATAAAATCAACTGAATGATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Sfil-Sfil

ACCN: NM_010370

Insert Size: 783 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).

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).



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Reconstitution Method:

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: [BC061146](#), [AAH61146](#)

RefSeq Size: 910 bp

RefSeq ORF: 783 bp

Locus ID: 14938

UniProt ID: [P11032](#)

Cytogenetics: 13 63.93 cM

Gene Summary: Abundant protease in the cytosolic granules of cytotoxic T-cells and NK-cells which activates caspase-independent cell death with morphological features of apoptosis when delivered into the target cell through the immunological synapse. It cleaves after Lys or Arg. Cleaves APEX1 after 'Lys-31' and destroys its oxidative repair activity. Cleaves the nucleosome assembly protein SET after 'Lys-189', which disrupts its nucleosome assembly activity and allows the SET complex to translocate into the nucleus to nick and degrade the DNA (By similarity). [UniProtKB/Swiss-Prot Function]