

Product datasheet for **MC200360**

Gzmb (NM_013542) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gzmb (NM_013542) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gzmb
Synonyms:	AI553453; CCP; CCP-1/C1; CCP-1/C11; CCP1; Ctl; Ctla; Ctla-1; Ctla1; GZB
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC002085 sequence for NM_013542 GGGGGTACAAGGTACAGAGCCCCCTCGCCTTCTTCTCCTAGAGGTTAAAAGAGAGCAAGGACAAC ACTCTTGACGCTGGGACCTAGGCGCCTTCCGGGAAGATGAAGATCCTCCTGCTACTGCTGACCTTGTC TCTGGCCTCCAGGACAAAGGCAGGGGAGATCATCGGGGGACATGAAGTCAAGCCCCACTCTCGACCTAC ATGGCCTTACTTTTCGATCAAGGATCAGCAGCCTGAGGCGATATGTGGGGCTTCTTATTTCGAGAGGACT TTGTGCTGACTGCTGCTCACTGTGAAGGAAGTATAATAATGTCACCTTTGGGGGCCACAACATCAAAGA ACAGGAGAAGACCCAGCAAGTCATCCCTATGGTAAAATGCATTCCCACCCAGACTATAATCCTAAGACA TTCTCCAATGACATCATGCTGCTAAAGCTGAAGAGTAAGGCCAAGAGGACTAGAGCTGTGAGGCCCTCA ACCTGCCAGGCGCAATGTCAATGTGAAGCCAGGAGATGTGTGCTATGTGGCTGGTTGGGAAGGATGGC CCCAATGGGCAAATACTCAAACACGCTACAAGAGGTTGAGCTGACAGTACAGAAGGATCGGGAGTGTGAG TCCTACTTTAAAAATCGTTACAACAAAACCAATCAGATATGTGCGGGGGACCCAAAGACCAAACGTGCTT CCTTTCGGGGGGATTCTGGAGGCCCGCTTGTGTGTAAAAAAGTGCTGCAGGCATAGTTTCTATGGATA TAAGGATGGTTACCTCCACGTGCTTTCACCAAAGTCTCGAGTTTCTTATCCTGGATAAAGAAAACAATG AAAAGCAGCTAACTACAGAAGCAACATGGATCCTGCTGCTGATTACCCATCGTCCCTAGAGCTGAGTCCAG GATTGCTCTAGGACAGGTGGCAGGATCTGAATAAAGGACTGCAAAGACTGGCTTCATGTCCATTCACAAG GACCAGCTCTGCTTGGCAGGCCAATGGAACACCTCTTCTGCCACCATGCTGTGACAACCCAACCTGACA TCTTCTATGGAAGTTTGCCTCTCCACAAAAGAAGTAGAATGTTTGCATTGGAGCTGGGCATGCTCTGC TTCCCCCTCAGTGCCCCGAGAATGTTATCTAATGCTAGTCATCATTAAATAGCTCCCTACAGAACCTTTCATA CAGTTGCACCCAAAGTTGCTGATGTTTCTCTAGAATAGAGCAAGAATAGTAAACAGAATTCCTTTTGGC TCTCTGTACTATTTTCCCAAATACCAAGATTTGTATGTTTTATAAAGCTAATTTCTTATCAAATGAC ATCTTTTAATTTTACATTAATGGCTTATTTTCAAGGTACAACCTGATTTTTTTATGGACAAAATGATG TAAATCAAATAAACTAATTAATATATCCATTAATAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_013542
Insert Size:	744 bp



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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).
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:	BC002085 , AAH02085
RefSeq Size:	1452 bp
RefSeq ORF:	744 bp
Locus ID:	14939
UniProt ID:	P04187
Cytogenetics:	14 28.19 cM
Gene Summary:	This gene encodes a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Mice lacking a functional copy of this gene exhibit impaired immune cell-mediated cytotoxicity. [provided by RefSeq, Sep 2016]