

Product datasheet for **MG218425**

Gzmc (NM_010371) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gzmc (NM_010371) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Gzmc |
| Synonyms: | AI323531; B10; CCP; CCP2; Ctl; Ctla; Ctla-5; Ctla5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG218425 representing NM_010371 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACCAGTCCTGATTCTCCTGACCCTACTTCTGCCTCTCAGAGCTGGAGCAGAGGAGATAATCGGAG
GCAATGAGATCAGTCCACATTCCCCTCCCTACATGGCATATTATGAGTTTCTGAAAGTTGGTGGGAAGAA
GATGTTCTGCGGAGGCTTCTGGTTCGAGACAAATTCGTGCTAACAGCTGCTCACTGCAAAGGAAGCTCA
ATGACAGTCACACTGGGGCTCACAACTCAAGGCTAAGGAGGAGACACAGCAGATCATCCCTGTGGCAA
AAGCCATCCCCATCCAGACTATAATCCTGATGACCGTTCTAATGACATCATGCTATTAAGCTGGTGAG
AAATGCCAAGAGGACTAGAGCTGTGAGGCCCTCAACCTGCCAGGCGCAATGCTCATGTGAAGCCAGGG
GATGAGTGCTATGTGGCTGGTTGGGAAAAGTAACCCCGACGGGGAATCCCAAAAACACTGCACGAAG
TTAAGCTGACAGTACAGAAGGATCAGGTGTGTGAGTCCCAGTTCCAAAGTTCTTACAACAGAGCTAATGA
GATATGTGTGGGAGACTCAAAGATCAAGGGAGCTTCTTTGAGGAGGATTCTGGAGGCCCGCTTGTGTGT
AAAAGAGCAGCTGCAGGCATCGTCTCTACGGGCAAACCTGATGGATCAGCTCCACAAGTCTTACAAGAG
TTTTGAGTTTTGTATCGTGGATAAAGAAAACGATGAAACACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218425 representing NM_010371
Red=Cloning site Green=Tags(s)

MPPVLILLTLLLPLRAGAEIIGGNEISPHSRPYMAYEFLKVGKKMFCGGFLVRDKFVLTAAHCKGSS
 MTVTLGAHNIKAKEETQQIIPVAKAIPHPDYNPDDRSNDIMLLKLVNKRTRAVRPLNLP RNAHVKPG
 DECYVAGWGKVPDGEFPKLHEVKLTVQKDQVCE SQFQSSYNRANEICVGD SKIKGASFEEDSGGPLVC
 KRAAAGIVSYGQTDGSAPQV FTRVLSFVSWIKKTMKHS

TRTRPLE - GFP Tag - V

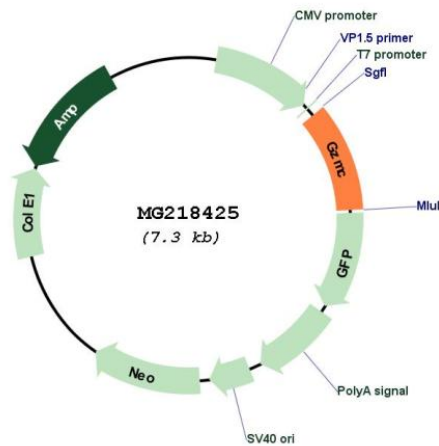
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010371

ORF Size: 744 bp

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|-------------------------------|---|
| 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_010371.3 , NP_034501.2 |
| RefSeq Size: | 934 bp |
| RefSeq ORF: | 747 bp |
| Locus ID: | 14940 |
| UniProt ID: | P08882 |
| Cytogenetics: | 14 28.19 cM |
| Gene Summary: | This gene encodes a member of the peptidase S1 family of serine proteases. The encoded preproprotein is proteolytically processed to generate a mature protein product. This product, expressed by activated T cells, may induce apoptosis of target cells. This gene is present in a gene cluster with other members of the granzyme subfamily on chromosome 14. [provided by RefSeq, Sep 2015] |