

Product datasheet for **MG214955**

Gzmd (NM_010372) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Gzmd
Synonyms:	CCP5; Ctla-5; Ctla5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG214955 representing NM_010372
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCACCAATCCTGATTCTCCTGACCCTACTTCTGCCTCTCAGAGCTGGAGCAGAGGAGATCATCGGCC
GCCATGTGGTGAAGCCACACTCCCGCCCTACATGGCATTTCGTTATGTCTGTGGATTAAGGGGAACAG
GATATACTGTGGAGGCTTCCTGATTCAAGATGACTTTGTGCTGACGGCTGCTCACTGCAAAAACAGCTCT
GTCCAAAGCTCAATGACAGTCACACTGGGGGCCACAACATCACGGCTAAGGAGGAGACACAGCAGATCA
TCCCTGTGGCAAAAGACATTCCTCCATCCAGATTATAATGCTACTATCTTCTACAGTGACATCATGCTGTT
AAAGCTGGAGAGTAAGGCCAAGAGAACTAAAGCTGTGAGACCCCTCAAGTTGCCAGATCCAATGCCCGG
GTGAAGCCAGGGGATGTGTGCAAGTGTGGCTGGCTGGGGTCAAGGTCCATCAATGACACTAAAGCATCTG
CCCGCTGCGAGAGGTTCAACTGGTCAATCCAGGAGGACGAGGAATGCAAAAACGTTTCCGATACTACAC
TGAGACCACAGAGATTTGTGCTGGAGACTTGAAGAAAATAAAGACTCCTTTCAAGGGTACTCGGGGGGA
CCCCTTGTGTGTGACAACCAAGCATATGGACTTTTCGCCTATGCAAAAACGGAACAATCTCTTCAGGAA
TCTTCACTAAGGTTGTGCACTTCTGCCGTGGATAAGCTGGAACATGAAGTTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG214955 representing NM_010372
 Red=Cloning site Green=Tags(s)

MPPILILLTLLPLRAGAEIIGGHVVKPHSRPYMAFVMSVDIKGNRIYCGGLIQDDFVLTAAHCKNSS
 VQSSMTVTLGAHNITAKEETQQIIPVAKDIPHPDYNATIFYSDIMLLKLESKAKRTKAVRPLKLPKRSNAR
 VKPGDVCSVAGWGSRSINDTKASARLREVQLVIQEDEECKRFRYYTETTEICAGDLKKIKTPFKGDSGG
 PLVCDNQAYGLFAYAKNGTISSGIFTKVVHFLPWISWNMMLL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010372

ORF Size: 756 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_010372.2](#), [NP_034502.2](#)

RefSeq Size: 937 bp

RefSeq ORF: 759 bp

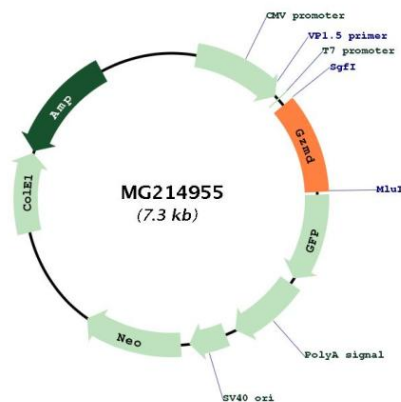
Locus ID: 14941

UniProt ID: [P11033](#)

Cytogenetics: 14 28.19 cM

Gene Summary: This enzyme is probably necessary for target cell lysis in cell-mediated immune responses. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG214955