

Product datasheet for **SC122707**

Granzyme M (GZMM) (NM_005317) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Granzyme M (GZMM) (NM_005317) Human Untagged Clone
Tag: Tag Free
Symbol: Granzyme M
Synonyms: LMET1; MET1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005317 edited
 CCACAGCGGCATGGAGGCTGCGTGTCTTCACTGCTGGTGCTGGCCCTGGGGCCCTGTC
 AGTAGGCAGCTCCTTTGGGACCCAGATCATCGGGGGCCGGAGGTGATCCCCACTCGCG
 CCCGTACATGGCCTCACTGCAGAGAAATGGCTCCACCTGTGCGGGGTGCTCTGGTGCA
 CCCAAAGTGGGTGCTGACGGCTGCCACTGCCTGGCCCAGCGGATGGCCAGCTGAGGCT
 GGTGCTGGGGCTCCACACCCTGGACAGCCCGGTCTCACCTTCCACATCAAGGCAGCCAT
 CCAGCACCTCGCTACAAGCCCGTCCCTGCCCTGGAGAACGACCTCGCGCTGCTTCAGCT
 GGACGGGAAAGTGAAGCCAGCCGACCATCCGGCCGTTGGCCCTGCCAGTAAGCGCCA
 GGTGGTGCAGCAGGGACTCGGTGCAGCATGGCCGGCTGGGGGCTGACCCACCAGGGCGG
 GCGCCTGTCCCGGTGCTGCGGGAGCTGGACCTCCAAGTGTGGACACCCGCATGTGTA
 CAACAGCCGCTTCTGGAACGGCAGCCTCTCCCCAGCATGGTCTGCCTGGCGGCCGACTC
 CAAGGACCAGGCTCCCTGCAAGGGTGACTCGGGCGGGCCCTGGTGTGTGGCAAAGGCCG
 GGTGTTGGCCGGAGTCTCTCCTCAGCTCCAGGGTCTGCACTGACATCTTCAAGCTCC
 CGTGGCCACCGCTGTGGCGCCTTACGTGTCTGGATCAGGAAGGTACCGGCCGATCGGC
 CTGATGCCCTGGGGTGTGGGGACCCCTCGCTGTCTCCACAGGACCTTCCCCTCCAGG
 GGTGCAGTGGGGTGGGTGAGGACGGTGGGAGGGACAGGGAGGGACCAATAAATCATAAT
 GAAGAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005317 unedited NCGGACCGCNAATTCCCGGNATCCACAGCGGCATGGAGGCCTGCGTGTCTTCACTGCT GGTGTGGCCCTGGGGGCCCTGTGAGTAGGCAGCTCCTTTGGGACCCAGATCATCGGGG CCGGGAGGTGATCCCCACTCGCGCCGTACATGGCCTCACTGCAGAGAAATGGCTCCA CCTGTGCGGGGTGTCTGGTGCACCAAAGTGGGTGCTGACGGCTGCCACTGCCTGGC CCAGCGGATGGCCAGCTGAGGCTGGTGTGCTGGGCTCCACACCTGGACAGCCCCGTCT CACCTTCCACATCAAGGCAGCCATCCAGCACCTCGCTACAAGCCGTCCTGCCCTGGA GAACGACCTCGCGCTGCTTCAGCTGGACGGGAAAGTGAAGCCAGCCGGACCATCCGGCC GTTGGCCCTGCCAGTAAGCGCCAGGTGGTGGCAGCAGGACTCGGTGCAGCATGGCCGG CTGGGGGTGACCCACCAGGGCGGGCGCCTGTCCCGGGTGTGCGGGAGCTGGACCTCCA AGTGTGGACACCCGCATGTGTAACAACAGCCGCTTCTGGAACGGCAGCCTCTCCCCAG CATGGTCTGCCTGGCGCCGACTCCAAGACCAGGCTCCCTGCAAGGGTGACTCGGGCGG GCCCTGGTGTGGCAAAGCCGGGTGTGGCCGGAGTCTGTCTTACAGCTCCAGGT CTGCACTGACATTTCAAGCCTCCCGTGGCCACCCTGTGGCCCTTACGTGTCTGGAT CAGGAAGGTCACCGCCGATCGGCTGATGCCCTGGGGTGTGGGACCCNCTCGCTGTC TCCACAGGACCTTCCCCTCCAGGGTGCANNTGGGTGGGTGAGGACGGNTGGGAG
Restriction Sites:	Please inquire
ACCN:	NM_005317
Insert Size:	951 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).
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_005317.2 , NP_005308.1
RefSeq Size:	947 bp
RefSeq ORF:	774 bp
Locus ID:	3004
UniProt ID:	P51124
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane

Gene Summary:

Human natural killer (NK) cells and activated lymphocytes express and store a distinct subset of neutral serine proteases together with proteoglycans and other immune effector molecules in large cytoplasmic granules. These serine proteases are collectively termed granzymes and include 4 distinct gene products: granzyme A, granzyme B, granzyme H, and the protein encoded by this gene, granzyme M. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).