

Product datasheet for **SC330672**

Granzyme M (GZMM) (NM_001258351) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Granzyme M (GZMM) (NM_001258351) Human Untagged Clone
Tag: Tag Free
Symbol: GZMM
Synonyms: LMET1; MET1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330672 representing NM_001258351.
Blue=Insert sequence **Red**=Cloning site **Green**=Tag(s)

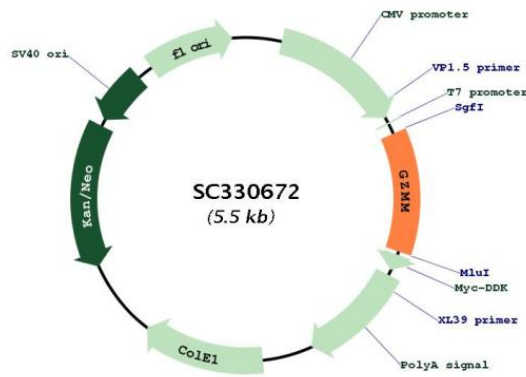
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ATGGCCTCACTGCAGAGAAATGGCTCCACCTGTGCGGGGTGTCTGGTGCACCCAAAGTGGGTGCTG
ACGGCTGCCACTGCCTGGCCCAGCGGATGGCCCAGCTGAGGCTGGTGTGGGGCTCCACACCCTGGAC
AGCCCCGGTCTCACCTTCCACATCAAGGCAGCCATCCAGCACCTCGCTACAAGCCCGTCCCTGCCCTG
GAGAACGACCTCGCGTCTTTCAGCTGGACGGGAAAGTGAAGCCAGCCGGACCATCCGGCCGTTGGCC
CTGCCCAGTAAGCGCCAGGTGGTGGCAGCAGGGACTCGGTGCAGCATGGCCGGCTGGGGGCTGACCCAC
CAGGGCGGGCGCCTGTCCGGGTGTGCGGGAGCTGGACCTCCAAGTGTGGACACCCGCATGTGTAAC
AACAGCCGCTTCTGGAACGGCAGCCTCTCCCCAGCATGGTCTGCCTGGCGGCCGACTCCAAGGACCAG
GCTCCCTGCAAGGGTACTCGGGCGGGCCCTGGTGTGTGGCAAAGCCGGGTGTTGGCCGGAGTCTGTG
TCCTTCAGCTCCAGGGTCTGCACTGACATCTTCAAGCCTCCCGTGGCCACCGCTGTGGCGCCTACGTG
TCCTGGATCAGGAAGGTCACCGGCCGATCGGCCTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001258351

Insert Size: 657 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_001258351.1
RefSeq Size:	954 bp
RefSeq ORF:	657 bp
Locus ID:	3004
UniProt ID:	P51124
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
MW:	23.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate splice junction at the 5' end of a coding exon compared to variant 1, that causes a frameshift. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>