

Product datasheet for **SC317232**

GNLY (NM_012483) Human Untagged Clone

Product data:

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|-----------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GNLY (NM_012483) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GNLY |
| Synonyms: | D2S69E; LAG-2; LAG2; NKG5; TLA519 |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_012483, the custom clone sequence may differ by one or more nucleotides ATGGAAGGTCTGGTCTTCTCTCGTCTGAGCCCTGAGTACTACGACCTGGCAAGAGCCCAC CTGCGTGATGAGGAGAAATCCTGCCGTGCCTGGCCAGGAGGGCCCCAGGGTGACCTG TTGACCAAAACACAGGAGCTGGGCCGTGACTACAGGACCTGTCTGACGATAGTCCAAAA CTGAAGAAGATGGTGGATAAGCCCACCCAGAGAAGTGTTCATGCTGCGACCCGGGTG TGTAGGACGGGGAGGTCACGATGGCGGACGTCTGCAGAAATTCATGAGGAGGTATCAG TCTAGAGTTACCCAGGGCCTCGTGGCCGAGAACTGCCAGCAGATCTGTGAGGACCTC AGGTTGTATACCTTCTACAGGTCCCCTC |
| Restriction Sites: | Please inquire |
| ACCN: | NM_012483 |
| 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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). |



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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.

RefSeq: [NM_012483.2](#), [NP_036615.2](#)

RefSeq Size: 995 bp

RefSeq ORF: 393 bp

Locus ID: 10578

UniProt ID: [P22749](#)

Cytogenetics: 2p11.2

Protein Families: Secreted Protein

Gene Summary: The product of this gene is a member of the saposin-like protein (SAPLIP) family and is located in the cytotoxic granules of T cells, which are released upon antigen stimulation. This protein is present in cytotoxic granules of cytotoxic T lymphocytes and natural killer cells, and it has antimicrobial activity against *M. tuberculosis* and other organisms. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) uses an alternate splice junction in the 5' end and initiates translation at an alternate start codon compared to variant 1. The resulting isoform (3, also known as 519) is shorter at the N-terminus compared to isoform 1.