

Product datasheet for **SC334157**

GNLY (NM_001302758) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNLY (NM_001302758) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNLY
Synonyms:	D2S69E; LAG-2; LAG2; NKG5; TLA519
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001302758, the custom clone sequence may differ by one or more nucleotides

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ATGGCTACCTGGGCCCTCCTGCTCCTTGACCCATGCTCCTGGGCAACCCAGGCCTTGAGGTCAGTGTGA  
GCCCAAGGGCAAGAACAACCTTCTGGAAGGGAGAGTGGATTTGGCTGGCCATCTGGATGGAAGGTCTGGT  
CTTCTCTCGTCTGAGCCCTGAGTACTACGACCTGGCAAGAGCCCACCTGCGTGATGAGGAGAAATCTGCG  
CCGTGCCCTGGCCAGGAGGGCCCCAGGGTGACCTGTTGACCAAAACACAGGAGCTGGCCGTGACTACA  
GGACCTGTCTGACGATAGTCCAAAACGAAGAAGATGGTGGATAAGCCACCCAGAGAAGTGTTCCTCAA  
TGCTGCGACCCGGGTGTGTAGGACGGGAGGTCACGATGGCGCGACGTCTGCAGAAATTCATGAGGAGG  
TATCAGTCTAGAGTTACCCAGGGCCTCGTGGCCGGAGAACTGCCAGCAGATCTGTGAGGACCTCAGGT  
TGTGTATACCTTCTACAGGTCCCCTCGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302758
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).



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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_001302758.1](#), [NP_001289687.1](#)

RefSeq Size: 924 bp

RefSeq ORF: 519 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 (1) encodes the longest isoform (1).