

## Recombinant Human GNLY, His-tagged

**Cat. No.** GNLY-28151TH **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length Human GNLY, isoform 2 with double His Tag, predicted MWt 18.1 kDa including tags.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>            | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>             | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>      | 130 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>        | 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. |
| <b>Conjugation</b>        | HIS                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Molecular Weight</b>   | 18.100kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Tissue specificity</b> | Expressed in natural killer and T-cells.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>               | Lyophilised:It is recommended to reconstitute in sterile Ultra pure water not less than 100µg/ml, which can then be further diluted into other aqueous solutions.Although stable at room temperature for 3 weeks, GNLY-28151TH should be stored desiccated                                                                                                                                                                                                       |

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|                                 |                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                                 | belo                                                                                                              |
| <b>Purity</b>                   | >95% by SDS-PAGE                                                                                                  |
| <b>Storage</b>                  | Please see Notes section                                                                                          |
| <b>Sequences of amino acids</b> | The sequence of the first 25 N-terminal amino acids was determined and was found to be MGSSHHHHHHSSGLVPRGSHMMEGL. |
| <b>Sequence Similarities</b>    | Contains 1 saposin B-type domain.                                                                                 |

## GENE INFORMATION

|                        |                                                                                        |
|------------------------|----------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">GNLY</a> <a href="#">granulysin</a> [ <a href="#">Homo sapiens</a> ]       |
| <b>Official Symbol</b> | <a href="#">GNLY</a>                                                                   |
| <b>Synonyms</b>        | GNLY; granulysin; LAG2; D2S69E; LAG 2; NKG5; T lymphocyte activation gene 519; TLA519; |
| <b>Gene ID</b>         | <a href="#">10578</a>                                                                  |
| <b>mRNA Refseq</b>     | <a href="#">NM_006433</a>                                                              |
| <b>Protein Refseq</b>  | <a href="#">NP_006424</a>                                                              |
| <b>MIM</b>             | <a href="#">188855</a>                                                                 |
| <b>Uniprot ID</b>      | <a href="#">P22749</a>                                                                 |
| <b>Chromosome</b>      | 2p12-q11                                                                               |

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## Location

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