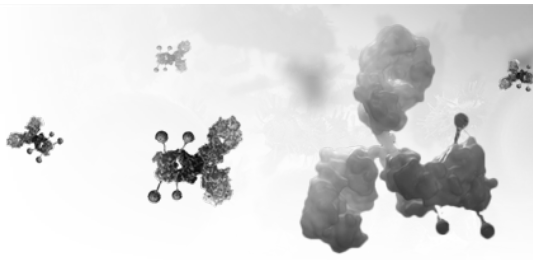

# Human GZMA peptide (DAG-P0501)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|---|---|
| **Antigen Description** | Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface nonself antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here is a T cell- and natural killer cell-specific serine protease that may function as a common component necessary for lysis of target cells by cytotoxic T lymphocytes and natural killer cells. [provided by RefSeq, Jul 2008] |
| **Purity** | 70 - 90% by HPLC. |
| **Conjugate** | Unconjugated |
| **Sequence Similarities** | Belongs to the peptidase S1 family. Granzyme subfamily.Contains 1 peptidase S1 domain. |
| **Format** | Liquid |
| **Preservative** | None |
| **Storage** | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request. |

## GENE INFORMATION

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| **Gene Name** | GZMA granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3) [ Homo sapiens (human) ] |
| **Official Symbol** | GZMA |
| **Synonyms** | GZMA; granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3); HFSP; CTLA3; granzyme A; HF; h factor; CTL tryptase; fragmentin-1; cytotoxic T-lymphocyte proteinase 1; Granzyme A (Cytotoxic T-lymphocyte-associated serine esterase-3; Hanukah factor serine protease); |

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| | |
|---|---|
| **Entrez Gene ID** | 3001 |
| **mRNA Refseq** | NM_006144.3 |
| **Protein Refseq** | NP_006135.1 |
| **UniProt ID** | P12544 |
| **Chromosome Location** | 5q11-q12 |
| **Pathway** | IL12-mediated signaling events, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; |
| **Function** | protein binding; protein homodimerization activity; serine-type endopeptidase activity; |

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