

## Granzyme A (GZMA) Recombinant Protein | GZMA recombinant protein

Recombinant Granzyme A (GZMA)

|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA147153</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

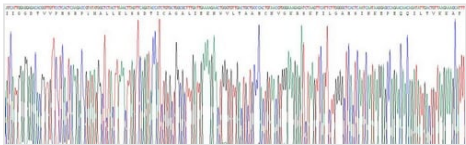
### PRODUCT SYNONYMS

Granzyme A (GZMA); Recombinant Granzyme A (GZMA); CTLA3; HFSP; HF; H factor; Granzyme 1; Fragmentin-1; Hanukkah factor; Cytotoxic T-Lymphocyte-Associated Serine Esterase 3; CTL tryptase; Cytotoxic T-lymphocyte proteinase 1; GZMA recombinant protein

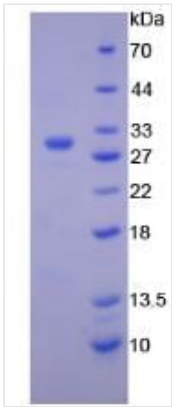
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                                  | >= 98%                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                          | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Sequence Length                                      | 260                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for GZMA recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                               |
| Fragment                                             | Ile29~Val260                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag                                                  | N-terminal His-tag                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Buffer Formulation                                   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                |
| Source Note                                          | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Organism Species                                     | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Endotoxin Level                                      | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isoelectric Point                                    | 9.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Subcellular Location                                 | Secreted; Cytoplasmic granu                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Usage                                                | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                              | Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

IMAGES



Application Data



SDS-PAGE

```
II GGDTVVPHSR PYMALLKLSS
NTICAGALIE KNMVLTAHC NVGKRSKFIL GAHSINKEPE QQILT VKKAF
PYPCYDEYTR EGDQLVRLK KKATVNRNVA ILHLPKKGDD VKPGTRCRVA
GWGRFGNKA PSETLREVNI TVIDRKICND EKHYNFHPVI GLNMICAGDL
RGKDSCNGD SGSPLLCDGI LRGITSFGGE KCGDRRWPGV YTF LSDKHLN
WIKKIMKGSV
```

Sequence

ADDITIONAL INFORMATION

|                                                        |                     |
|--------------------------------------------------------|---------------------|
| Product Categories/Family for GZMA recombinant protein | Recombinant Protein |
|--------------------------------------------------------|---------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 6754102                                            |
| NCBI GeneID                      | 14938                                              |
| NCBI Accession #                 | NP_034500.1                                        |
| NCBI GenBank Nucleotide #        | NM_010370.2                                        |
| UniProt Accession #              | P11032; P15118                                     |
| Molecular Weight                 | 27.2kDa                                            |
| NCBI Official Full Name          | granzyme A                                         |
| NCBI Official Synonym Full Names | granzyme A                                         |
| NCBI Official Symbol             | Gzma                                               |
| NCBI Official Synonym Symbols    | Hf; Hf1; SE1; TSP1; Ctla3; TSP-1; Ctla-3; AW494114 |
| NCBI Protein Information         | granzyme A                                         |
| UniProt Protein Name             | Granzyme A                                         |
| UniProt Gene Name                | Gzma                                               |
| UniProt Synonym Gene Names       | Ctla-3; Ctla3; Mtsp-1; TSP-1                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.