

# Recombinant Human Granzyme A/CTLA-3/GZMA Protein

Catalog No.: RP02990 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3001	P12544

### Tags

C-His

### Synonyms

GZMA; CTLA3; HFSP

## Product Information

Source	Purification
HEK293 cells	>95% as determined by SDS-PAGE

Calculated MW	Observed MW
26.94 kDa	30-35 kDa

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Human Granzyme A/CTLA-3/GZMA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu27-Val262) of human Granzyme A (Accession #NP\_006135.1) fused with a His tag at the C-terminus.

#### Bio-Activity

#### Storage

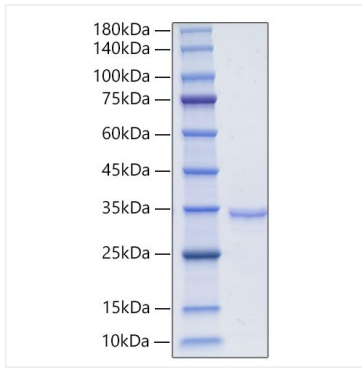
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Human Granzyme A Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 30-35kDa.