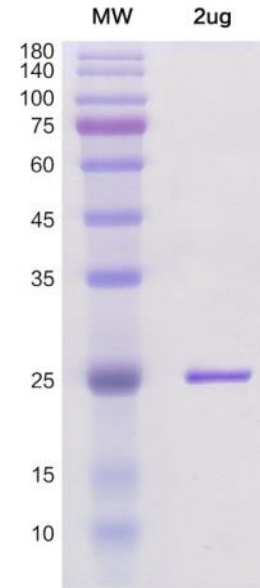


# Granzyme A, Recombinant Human

<b>CATALOG #:</b>	4279-100	100 µg
<b>ALTERNATE NAMES:</b>	CTL tryptase, Cytotoxic T-lymphocyte proteinase 1, Fragmentin-1, Granzyme-1, Hanukkah factor, H factor, HF	
<b>SOURCE:</b>	HEK 293 cells	
<b>PURITY:</b>	> 90% as determined by SDS-PAGE	
<b>MOL. WEIGHT:</b>	26 kDa	
<b>FORMULATION:</b>	Recombinant Granzyme A is lyophilized from PBS	
<b>ENDOTOXIN CONTENT:</b>	< 1.0 EU/µg of protein as determined by LAL method	
<b>SEQUENCE:</b>	Recombinant Human Granzyme A is expressed from HEK 293 cells. Target protein is expressed with sequence (Glu27-Val262) of Human granzyme A (Uniprot #P12544) fused with a C-terminal His tag.	
<b>RECONSTITUTION:</b>	Reconstitute in sterile deionized water for a stock solution.	
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20 °C or -80 °C. Avoid repeated freeze thaw cycles.	

**DESCRIPTION:**

Granzyme A is a member of the granzyme family. Granzyme A is the most abundant serine protease in cytotoxic T lymphocytes (CTL) and natural killer (NK) cells. Granzyme A has a specific function in CTL and NK cells. It induces caspase-independent cell death when introduced into target cells by perforin. Human granzyme A is synthesized as a precursor (262 residues) with a signal peptide (residues 1-26), a propeptide (residues 27-28) and a mature chain (residues 29-262).



2 µg of Granzyme A, Human Recombinant, was loaded on SDS-PAGE under reducing conditions and visualized by Coomassie blue stain.

**RELATED PRODUCTS:**

- Granzyme B, Human Recombinant (**Cat. No. 1185-5**)
- Granzyme B Antibody (**Cat. No. 3073R-100**)
- Granzyme B Blocking Peptide (**Cat. No. 3073RBP-100**)
- Granzyme B Inhibitor Ac-IEPD-CHO (**Cat. No. 1119-1**)
- Granzyme B Inhibitor Z-AAD-CH<sub>2</sub>Cl (**Cat. No. 1128-20C**)
- Granzyme B M Antibody (Clone B18.1) (**Cat. No. 3073-100**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**