

## Granzyme A from Human, Recombinant (carrier-free)

Cat. No. NATE-1934

Lot. No. (See product label)

### Introduction

**Description** Granzyme A is a serine protease belonging to the granzyme family and is expressed exclusively by cytotoxic T cells (CTL) and NK cells. Most circulating CD56+CD8- NK cells, and approximately half of circulating CD8+ T cells, coexpress both granzymes A and B.

**Synonyms** Hanukah factor serine protease (HFSP); Cytolytic T cell-and natural killer cell-specific trypsin-like serine protease; Cytotoxic T-lymphocyte-associated serine esterase 3; CTLA3; Granzyme A; Granzyme

### Product Information

<b>Species</b>	Human
<b>Source</b>	293E cell line
<b>Form</b>	0.22 µm filtered protein solution is in 20 mM Tris, 150 mM NaCl, pH 7.5.
<b>EC Number</b>	EC 3.4.21.78
<b>CAS No.</b>	143180-73-8
<b>Molecular Weight</b>	55 kD in non-reducing conditions by SDS-PAGE
<b>Purity</b>	>90%, as determined by Coomassie stained SDS-PAGE.
<b>Activity</b>	>5,000 pmol/min/µg
<b>Concentration</b>	200 µg/mL
<b>Endotoxin Level</b>	Less than 1.0 EU per µg of protein as determine by the LAL method.

### Storage and Shipping Information

**Storage** Unopened vial can be stored at -70°C for six months. For maximum results, quick spin vial prior to opening. Avoid repeated freeze/thaw cycles.