



## PRODUCT DATA SHEET

**Product:** Granzyme A (human recombinant)

**Cat. No.:** BC-126 (10 µg)

**Origin:**

Active human granzyme A expressed in *E. coli*

**Molecular Weight:**

~52 kDa (homodimer)

**Format:**

Liquid. Recombinant protein in 0.05 M MES, pH 6.0, containing ~0.52 M NaCl and 10% glycerol. Does not contain any preservatives. Concentration: 0.2 mg/mL.

**EC:**

3.4.21.78

**Specific Activity:**

114 U/µg protein. One unit hydrolyzes 1 nmole Z-Lys-SBzl per minute at 25°C in 0.05 M TRIS, pH 8.0, containing 0.15 M NaCl, 0.01% Triton X-100, 0.3 mM DTNB.

**Storage and Stability:**

Store at -80°C. Stable for at least 6 months when stored at -80°C. After opening, it is recommended to prepare appropriate aliquots and to store them at -80°C. Do not dilute to more than 0.2 mg/mL. Dilute solutions (e.g 1-1,000 ng/mL) should be used within 24 hours.

**Handling:**

For maximum product recovery after thawing, centrifuge the vial before opening the cap. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.

**Limitations:**

For *in vitro* research use only. Not for use in diagnostics or in humans.

**Warranty:**

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.