Granzyme K (human), (recombinant)

Granzyme K is a trypsin-like serine protease located in the granules of natural killer (NK) cells and cytotoxic T lymphocytes (CTLs). It plays a crucial role in inducing apoptosis and also contributes to extracellular processes, such as activating endothelial cells and regulating immune responses. Elevated levels of Granzyme K have been associated with a range of diseases, including viral and bacterial infections.

Citations: 3 View Online »

Ordering Information

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ALX-201-117A-C010	10µg
ALX-201-117A-C5010	5x10µg

Manuals, SDS & CofA

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- High Specific Activity: Granzyme K is provided with a defined specific activity, ensuring consistent and reliable enzymatic performance, with detailed activity data available in the lot-specific Certificate of Analysis (CoA).
- Native Source and Activity: Recombinant human granzyme K produced in E. coli, preserving native enzymatic function for accurate biological studies.
- Broad Assay Compatibility: Optimized to hydrolyze Z-Lys-SBzl in a range of standard assay conditions, facilitating diverse experimental applications.
- Exceptional Purity: Purity level of ≥98% (SDS-PAGE), ensuring minimal interference from contaminants in sensitive applications.

Handling & Storage

Use/Stability	Dilute solutions (e. g. 1-1000ng/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.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Formulation	Liquid. In 0.05 M sodium phosphate buffer, containing 0.5 M NaCl and 10% glycerol. Contains no preservatives.
MW	~26kDa
Purity	≥95% (SDS-PAGE)
Source	Produced in *E. coli*. Active human granzyme K.
Specific Activity	One unit is defined as the amount of enzyme that hydrolyzes 1nmol Z-Lys-SBzl per min. at 25°C in 0.05M TRIS, pH 8.0, containing 0.15M NaCl, 0.01% Triton X-100 and 0.3mM DTNB. Specific activity provided in lot specific CoA.
UniProt ID	P49863

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