Creative Enzymes®

Granzyme K from Human, Recombinant

Cat. No. NATE-1936

Lot. No. (See product label)

Introduction

Description	Granzyme K is a protein that in humans is encoded by the GZMK gene. This gene product is a member of a group of related serine proteases from the cytoplasmic granules of cytotoxic lymphocytes. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein described here lacks consensus sequences for N-glycosylation present in other granzymes.
Synonyms	Granzyme K; GZMK; GZMK

Product Information

Species	Human
Source	E. coli
Form	Liquid. In PBS containing 10% sucrose and ~0.5M sodium chloride. Contains no preservatives.
EC Number	EC 3.4.21.-
Purity	>98% (SDS-PAGE)
Activity	~29 U/μg protein
Concentration	0.2 mg/ml
Unit Definition	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.

Storage and Shipping Information

Storage	at -80°C
Stability	Stable for at least 6 months when stored at -80°C. Dilute solutions (e. g. 1-1000ng/ml) should be used within 24 hours.