Data Sheet

PRONASE® Protease, Streptomyces griseus CAS 9036-06-0

Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions.

Revision	17-September-2007 RFH
Description	A non-specific protease liquefies mucins and digests proteins to free amino acids. Can be used to isolate living chondrocytes. Most active at neutral pH, but it is stable over a wide pH and temperature range. Has an optimal pH of 7.5. Note: 1 KU = 1000 units.
Form	Lyophilized
Formulation	Lyophilized from a solution containing calcium acetate as a stabilizer.
CAS number	9036-06-0
RTECS	UK9595000
Activity	45,000 proteolytic units/g dry weight
Unit definition	One unit is defined as the amount of enzyme that will liberate a digestion product equivalent to 25 µg of tyrosine per min at 40°C, pH 7.5.
Solubility	H_2O (10 mg/ml)
Storage	+2°C to +8°C Hygroscopic
Do Not Freeze	Ok to freeze
Special Instructions	Following reconstitution, store in the refrigerator (4°C). Stock solutions are stable for 24 h at 4°C.
Toxicity	Harmful
References	Narahashi, Y., et al. 1968. J. Biochem. 64, 427.

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