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α -Lytic protease

Cat. No.:	HY-E70195
CAS No.:	37288-76-9
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

α -Lytic protease

BIOLOGICAL ACTIVITY

Description	α -Lytic protease (alphaLP) is a serine endopeptidase. α -Lytic protease can cleave substrate at the carboxyl terminal side of alanine, serine, threonine, and valine amino acid residues ^[1] .
In Vitro	<p>Protocol</p> <ol style="list-style-type: none">1) Combine 2 μg substrate and 50 mM ammonium bicarbonate pH 8.5 to make a 10 μL total reaction volume.2) Add α-Lytic Protease in a 1:20 – 1:100 (α-Lytic Protease : substrate) ratio by mass. Note: For example, add 20-100ng α-Lytic Protease to 2 μg substrate protein.3) Incubate at 37\times for 1 hour. <p>Note: longer incubations (18 hours) or more enzyme may be required, especially at lower temperatures, for complete digestion.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Bauer CA, et, al. Active site of alpha-lytic protease: enzyme-substrate interactions. Eur J Biochem. 1981 Nov;120(2):289-94.

Caution: Product has not been fully validated for medical applications. For research use only.

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