

Sequencing Grade Modified Proteinases



emp BIOTECH GmbH
Robert-Rössle-Str. 10
13125 Berlin · Germany

Tel. +49 (0)30 94 89 22 01
Fax +49 (0)30 94 89 32 01

info@empbiotech.com
www.empbiotech.com

Extremely Low Autolysis
Highly Pure
Increased Stability at 37°C
Greater Control of Protein Fragmentation
Consistent Activity over Long Digestion Periods

Highly purified enzyme is modified chemically
by a process developed at **emp** BIOTECH.
As a result, modified sequencing grade proteinases
have enhanced stability and low autolysis.

Each proteinase is:
Treated with TPCK
Subjected to extensive purification
Further chemically modified to reduce autolysis and to improve stability
Undergoes strict quality assurance with protease assay control



Sequencing Grade Modified Proteinases

Cat. No. EN-151 4 x 25 µg vials	Modified Trypsin, Porcine Cleaves on the carboxy side of Arginine, Lysine and s-aminoethyl cysteine residues
Cat. No. EN-160 4 x 25 µg vials	Modified Chymotrypsin, Bovine Predominantly cleaves on the carboxy side of Tyrosine, Phenylalanine and Tryptophan. Slowly cleaves at the carboxy side of Leucine, Methionine, Alanine, Aspartic and Glutamic acid.
Cat. No. EN-180 4 x 25 µg vials	Modified Pepsin, Porcine Predominantly cleaves on the carboxy side of aromatic and hydrophobic residues if the adjacent amino acids are not valine, alanine or glycine. Optimum activity between pH 2.0 and pH 3.8.
Cat. No. EN-120 3 x 5 µg vials	Modified Arginine-C, Clostripain Specifically hydrolyzes the carboxy peptide bond of Arginine.
Cat. No. EN-171 3 x 5 µg vials 1 x 0.5 mL Activator vial	Modified Aspartic-N, Pseudomonas fragi (mutant) Specifically hydrolyzes the N-terminal side of aspartic and cysteic acids. Optimum activity between pH 6.5 and 8.0.
Cat. No. EN-130 3 x 5 µg vials	Modified Lysine-C, Lysobacter enzymogenes Specifically hydrolyzes the carboxy peptide bond of Lysine
Cat. No. EN-140 4 x 10 µg vials	Modified Glutamic-C, S. aureus Specifically hydrolyzes the carboxy peptide bond of Glutamic acid in 50mM Tris HCl, pH 8.0