Active Recombinant Staphylococcus Glu-C

Cat. No. CED42 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcus Glu-C is a 28.8 kDa protease consisting of 266 amino acid residues.
Species	Staphylococcus
Source	E.coli
Description	Proteases (also called Proteolytic Enzymes, Peptidases, or Proteinases) are enzymes that hydrolyze the amide bonds within proteins or peptides. Most proteases act in a specific manner, hydrolyzing bonds at or adjacent to specific residues or a specific sequence of residues contained within the substrate protein or peptide. Proteases play an important role in most diseases and biological processes including prenatal and postnatal development, reproduction, signal transduction, the immune response, various autoimmune and degenerative diseases, and cancer. They are also an important research tool, frequently used in the analysis and production of proteins. Glu-C cleaves at the Carboxyl side of E (can also cleave D under certain conditions).
Bio-activity	Cleaves at the Carboxyl side of E (can also cleave D under certain conditions).
AA Sequence	LPNNDRHQIT DTTNGHYAPV TYIQVEAPTG TFIASGVVVG KDTLLTNKHV VDATHGDPHA LKAFPSAINQ DNYPNGGFTA EQITKYSGEG DLAIVKFSPN EQNKHIGEVV KPATMSNNAE TQVNQNITVT GYPGDKPVAT MWESKGKITY LKGEAMQYDL STTGGNSGSP VFNEKNEVIG IHWGGVPNEF NGAVFINENV RNFLKQNIED IHFANDDQPN NPDNPDNPNN PDNPNNPDEP NNPDNPNNPD

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	NPDNGDNNNS DNPDAA	
Purity	Greater than 95% by SDS-PAGE gel and HPLC analyses.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Background	Introduction	V8 Protease, a Staphylococcal serine proteinase, specifically cuts the C-end of glutamic acid.
	Keywords	Staphylococcus Glu-C; V8 Protease; Recombinant Staphylococcus Glu-C

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