



Recombinant Staphylococcus Glu-C

20150227BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-412
Size:	250 µg
Lot. No.:	According to product label

Sequence

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LPNDRHQIT DTTNGHYAPV TYIQVEAPTG TFIASGVVVG
KDLLLLTNKHV VDATHGDPHA LKAFPSAINQ DNYPNGGFTA
EQITKYSGEG DLAIVKFSPN EQNKHIGEVV KPATMSNNAE
TQVNQNITVT GYPGDKPVAT MWESKGKITY LKGEAMQYDL
STTGGNSGSP VFNEKNEVIG IHWGGVPNEF NGAVFINENV
RNFLKQNIED IHFANDDQPN NPDNPDNPNN PDNPNNPDEP
NNPDNPNNPD NPDNGDNNNS DNPDA

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Database References

Protein RefSeq:	POC1U8.1
Uniprot ID:	P0C1U8
mRNA RefSeq:	D00730.1

Scientific Background

Gene-ID (NCBI):	
Synonyms:	V8 Protease, Endoproteinase Glu-C

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). Recombinant Staphylococcus Glu-C is a 28.8 kDa protease consisting of 266 amino acid residues.

Product Specifications

Expressed in	E. coli
Purity	> 95% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	266
MW:	28.8 kDa

Biological Activity: Cleaves at the Carboxyl side of E (can also cleave D under certain conditions).



AVOID REPEATED FREEZE AND THAW CYCLES!