ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Glutamyl endopeptidase Staphylococcal Recombinant

Item Number	rAP-1488
Synonyms	Glutamyl endopeptidase (EC:3.4.21.19), Endoproteinase Glu-C, Staphylococcal serine proteinase, V8 protease, V8 proteinase, sspA.
Description	Recombinant Staphylococcal GLU-C produced in E.coli is a single, non-glycosylated polypeptide chain containing a total of 267 amino acids and having a molecular mass of 28.9kDa.
Uniprot Accesion Number	P0C1U8
Amino Acid Sequence	MLPNNDRHQI TDTTNGHYAP VTYIQVEAPT GTFIASGVVV GKDTLLTNKH VVDATHGDPH ALKAFPSAIN QDNYPNGGFT AEQITKYSGE GDLAIVKFSP NEQNKHIGEV VKPATMSNNA ETQVNQNITV TGYPGDKPVA TMWESKGKIT YLKGEAMQYD LSTTGGNSGS PVFNEKNEVI GIHWGGVPNE FNGAVFINEN VRNFLKQNIE DIHFANDDQP NNPDNPDNPN NPDNPNNPDE PNNPDNPNNP DNPDNGDNNN SDNPDAA.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered lyophilized powder. Lyophilized GLU-C although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GLU-C should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from a sterile (0.2μm) filtered aqueous solution containing 10mM sodium phosphate, pH 7.5. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized GLU-C in sterile 18M-cm H2O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only