

32-12313: Staphylococcus aureus Glutamyl endopeptidase

Gene : sspA
Uniprot ID : P0C1U8
Alternative Name : Glutamyl endopeptidase, Endoproteinase Glu-C, Staphylococcal serine proteinase, V8 protease, V8 proteinase

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 28.9 kDa (267 aa)

Glutamyl endopeptidase (Glu-C) is an enzyme from Staphylococcus aureus strain V8 that hydrolyzes peptide bonds formed on the carboxyl terminal side of aspartate and glutamate amino acid residues. Glu-C is pathogenic to human tissue and functions during adherence and colonization of host cells. Glu-C protects against host defense mechanisms by fragmenting human immunoglobulins IgG, IgM, and IgA.

Product Info

Amount : 250 µg / 500 µg
Purification : Reducing and Non-Reducing SDS PAGE at >= 95%
Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Sterile water at 0.1 mg/mL
Storage condition : Store at -20°C
Amino Acid : MLPNNDRHQI TDTTNGHYAP VTYIQVEAPT GTFIASGVVV GKDTLLTNKH VVDATHGDPH
ALKAFPSAIN QDNYPNGGFT AEQITKYSGE GDLAIVKFSP NEQNKHIGEV VKPATMSNNA
ETQVNQNTV TGYPGDKPVA TMWESKGKIT YLKGEAMQYD LSTTGNGSGS PVFNEKNEVI
GIHWGGVPNE FNGAVFINEN VRNFLKQNE DIHFANDDQP NNPDPNPDPN NPDNPNPNPDE
PNNPDNPNP DNPDPNGDNNN SDNPDA

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.

