Recombinant Staph sspA Protein

Cat. No. sspA-243S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Staph sspA Protein without tag was expressed in E. coli.
Species	Staph
Source	E.coli
Description	Glutamyl endopeptidase (Glu-C) is an enzyme from Staphylococcus aureus strain V8 that hydrolizes 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.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 28.9 kDa (267 aa)
AA Sequence	MLPNNDRHQITDTTNGHYAPVTYIQVEAPTGTFIASGVVVGKDTLLTNKHVVDATHG DPHALKAFPSAINQDNYPNGGFTAEQITKYSGEGDLAIVKFSPNEQNKHIGEVVKPAT MSNNAETQVNQNITVTGYPGDKPVATMWESKGKITYLKGEAMQYDLSTTGGNSGS PVFNEKNEVIGIHWGGVPNEFNGAVFINENVRNFLKQNIEDIHFANDDQPNNPDNPD NPNNPDNPNNPDEPNNPDNPNNPDNPDNGDNNNSDNPDAA
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	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 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	sspA Glu-specific serine endopeptidase SspA [Staphylococcus argenteus]
Official Symbol	sspA
Synonyms	sspA; Glu-specific serine endopeptidase SspA; Glu-specific serine endopeptidase SspA; EC 3.4.21.19
Gene ID	66839245
Protein Refseq	WP_000676579

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UniProt ID	P0C1U8

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