

Glu-C active protein

Staphylococcus Glu-C

CATALOG # AAA79131	HOST E Coli	REACTIVITY Staphylococcus
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PRODUCT SYNONYMS

Glu-C; Staphylococcus Glu-C; V8 Protease; Endoproteinase Glu-C; Glu-C active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Staphylococcus
Purity/Purification	> 98% by SDS-PAGE & HPLC analysis
Form/Format	Lyophilized
Sequence	LPNNDRHQIT DTTNGHYAPV TYIQVEAPTG TFIASGVVVG KDTLLTNKHV VDATHGDPHA LKAFPSAINQ DNYPNGGFTA EQITKYSSEG DLAIVKFSPN EQNKHIGEVV KPATMSNNAE TQVNQNTVT GYPGDKPVAT MWESK GKITY LKGEAMQYDL STTGGNSGSP VFNEKNEVIG IHWGGVPNEF NGAVFINENV RNFLKQNIED IHFANDDQPN NPDNPDNPNN PDNPNNPDEP NNPDPNPNPD NPDNGDNNNS DNPDA
Sequence Length	336
Endotoxin Level	<0.1 ng per ug of protein
Formulation	Lyophilized form 10mM Tris, pH 8.0
Biological Activity	Cleaves at the Carboxyl side of E (can also cleave D under certain conditions).
Reconstitution	centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (ex. 0.1% BSA) and store in working aliquots at -20 degree C to -80 degree C.
Stability	Lyophilized protein should be stored desiccated below -20 degree C. Upon reconstitution protein should be stored at 4 degree C between 2-7 days and for future use below -20 degree C. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Glu-C active protein	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 Categories/Family for Glu-C active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	114152163
UniProt Accession #	P0C1U8; P04188

Molecular Weight	28.8 kDa
NCBI Official Full Name	Glutamyl endopeptidase
UniProt Protein Name	Glutamyl endopeptidase
UniProt Gene Name	sspA
UniProt Entry Name	SSPA_STAAU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/glu-c/79131>