abcam

Product datasheet

Recombinant staphylococcus aureus Glutamyl endopeptidase protein ab98127

Description

Product name	Recombinant staphylococcus aureus Glutamyl endopeptidase protein
Biological activity	ab98127 cleaves at the Carboxyl side of E (can also cleave D under certain conditions). Reaction Buffer: 10 mM Tris, pH 8.0
Purity	> 95 % SDS-PAGE. ab98127 is sterile filtered through a 0.2 micron filter. Purity is > 95% by SDS-PAGE gel and HPLC analyses.
Endotoxin level	< 0.100 Eu/µg
Expression system	Escherichia coli
Accession	P0C1U8
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Staphylococcus aureus
Sequence	LPNNDRHQITDTTNGHYAPVTYIQVEAPTGTFIASGVVVGK DTLLTNKHV VDATHGDPHALKAFPSAINQDNYPNGGFTAEQITKYSGEG DLAIVKFSPN EQNKHIGEVVKPATMSNNAETQVNQNITVTGYPGDKPVAT MWESKGKITY LKGEAMQYDLSTTGGNSGSPVFNEKNEVIGIHWGGVPNE FNGAVFINENV RNFLKQNIEDIHFANDDQPNNPDNPDNPNNPDNPNNPDE PNNPDNPNNPD NPDNGDNNNSDNPDAA
Predicted molecular weight	29 kDa
Amino acids	71 to 336

Specifications

Our **Abpromise guarantee** covers the use of **ab98127** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC

	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	ab98127 cleaves at the Carboxyl side of E (can also cleave D under certain conditions). Reaction Buffer: 10 mM Tris, pH 8.0 ab98127 cleaves at the Carboxyl side of E (can also cleave D under certain conditions). Reaction Buffer: 10 mM Tris, pH 8.0

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Constituent: 0.121% Tris This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	The lyophilized protein is stable at room temperature for up to 1 month. Reconstitute in water to a concentration of 0.1-1.0 mg/ml.

General Info

Relevance	Glutamyl endopeptidase preferentially cleaves peptide bonds on the carboxyl-terminal side of aspartate and glutamate. Along with other extracellular proteases it is involved in colonization and infection of human tissues. It is required for proteolytic maturation of thiol protease sspB and inactivation of sspC, an inhibitor of sspB. It is the most important protease for degradation of fibronectin-binding protein (FnBP) and surface protein A, which are involved in adherence to host cells. It may also protect bacteria against host defense mechanism by cleaving the immunoglobulin classes IgG, IgA and IgM. It may be involved in the stability of secreted lipases.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors