

Lysostaphin Active Protein | Iss active protein

Recombinant Lysostaphin

CATALOG # AAA10816	HOST E Coli
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PRODUCT SYNONYMS

Lysostaphin; Recombinant Lysostaphin; Lysostaphin Recombinant; EC 3.4.24.75; Glycyl-glycine endopeptidase; Iss active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	95% as determined by RP-HPLC.
Form/Format	The protein was lyophilized without any additives.
Sequence Length	493
Physical Appearance	Sterile Filtered lyophilized powder
Specific Activity	Determined to be 3,540 units/mg.
Solubility	It is recommended to reconstitute the lyophilized Lysostaphin in 20mM sodium acetate, pH 4.5 for optimal stability, which can be further diluted.
Protein Content	Protein quantitation was carried out by two independent methods 1. UV spectroscopy at 280 nm using the absorbency value of 2.02 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis RP-HPLC, using a calibrated solution of Lysostaphin as a Reference Standard.
Biological Activity	Assessed by the decrease in turbidity of a suspension of heat-killed Staphylococcus aureus at pH-8, 30°C. Lysostaphin is a zinc enzyme therefore EDTA is an inhibitory factor.
Preparation and Storage	Lyophilized Lysostaphin although stable at room temperature for 2 weeks, should be stored desiccated below -18°C. Upon reconstitution Lysostaphin can be stored at 4°C up to 3 weeks and for future use below -18°C. Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Iss active protein	Lysostaphin Recombinant produced in E.Coli is a non-glycosylated polypeptide chain having a molecular mass of 26.92 kDa.
Product Categories/Family for Iss active protein	Enzymes ; Peptidase

NCBI AND UNIPROT INFORMATION

NCBI GI #	3287967
UniProt Accession #	P10547 ; O05988
NCBI Official Full Name	Lysostaphin
UniProt Protein Name	Lysostaphin
UniProt Gene Name	Iss

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/lysostaphin/10816>