

Product Datasheet

Recombinant *E. coli* beta-lactamase Protein NBP2-61444-1mg

Unit Size: 1 mg

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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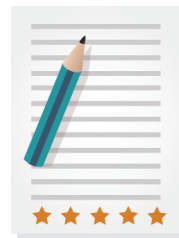
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NBP2-61444-1mg

Recombinant E. coli beta-lactamase Protein

Product Information

Unit Size	1 mg
Concentration	Lyoph
Storage	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
Preservative	No Preservative
Reconstitution Instructions	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
Purity	>95%, by SDS-PAGE
Buffer	Lyophilized from a 0.2 um filtered concentrated solution in 100 mM Tris, pH 7.0.
Target Molecular Weight	28.9 kDa

Product Description

Description	<p>A single non-glycosylated polypeptide chain containing 264 amino acids corresponding to beta-lactamase Source: <i>E. coli</i></p> <p>Amino Acid Sequence: MHPETLVKVK DAEDQLGARV GYIELDLNSG KILESFRPEE RFPMMSTFKV LLCGAVLSRV DAGQEQLGRR IHYSQNDLVE YSPVTEKHLT DGMTVRELCS AAITMSDNTA ANLLTTIGG PKELTAFLHN MGDHVTRLDR WEPENEAIP NDERDTTTPA AMATTLRKLL TGELLTLASR QQLIDWMEAD KVAGPLLRS A LPAGWFIADK SGAGERGSRG IIAALGPDGK PSRIVVIYTT GSQATMDERN RQIAEIGASL IKHW</p>
Gene ID	948669
Gene Symbol	ampC
Species	E. coli
Details of Functionality	Fully biologically active when compared to standard. One unit of enzyme activity is defined as the amount of enzyme which will hydrolyze 1.0 umol of benzyl penicillin in presence of EDTA at pH 7.0 and at 25 C.

Product Application Details

Applications	Enzyme Activity
Recommended Dilutions	Enzyme Activity





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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