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## Datasheet for ABIN620958 **LACTB Protein**

### Overview

Quantity:	10 mg
Target:	LACTB
Origin:	Bacteria
Host:	Please inquire
Protein Type:	Recombinant

### Product Details

Sequence: MHPETLVK VKDAEDQLGA RVGYIELDLN SGKILESFRP EERFPMMSTF KVLLCGAVLS  
RVDAGQEQLG RRIHYSQNDL VEYSPVTEKH LTDGMTVRELCSAAITMSDN TAANLLTTI  
GGPKELTAFL HNMGDHVTRL DRWEPELNEA IPNDERDTTM PAAMATTLRK LLTGELLTLA  
SRQQLIDWME ADKVAGPLLR SALPAGWFIA DKSGAGERGS RGIIAALGPD GKPSRIVVIY  
TTGSQATMDE RNRQIAEIGA SLIKHW

Characteristics:	Recombinant beta Lactamase
Purity:	> 90.0 % as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

### Target Details

Target:	LACTB
Alternative Name:	beta-Lactamase ( <a href="#">LACTB Products</a> )
Background:	Beta-Lactamase Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 263 amino acids and having a molecular mass of 29 kDa. Beta Lactamase is purified by proprietary chromatographic techniques. Introduction: Beta-lactamase is a type of enzyme(EC3.5.2.6) produced by some bacteria that is responsible for their resistance to beta-

## Target Details

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lactam antibiotics like penicillins, cephalosporins, cephamycins and carbapenems. These antibiotics have a common element in their molecular structure a four-atom ring known as a beta-lactam. The lactamase enzyme breaks that ring open, deactivating the molecule's antibacterial properties. Synonyms: beta-Lactamase, EC 3.5.2.6, Cephalosporinase.

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from a concentrated (1 mg/ml) solution in water containing 20mM Phosphate buffer pH-7. It is recommended to reconstitute the lyophilized Beta Lactamase in sterile 18M - cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Storage: -20 °C