

## 32-2491: LACTB, His Recombinant Protein

**Alternative Name :** Beta-lactamase,Cephalosporinase,ampC,ampA,b4150,JW4111.

### Description

Source : Escherichia Coli. Beta Lactamase is an E.coli Recombinant protein produced in E.Coli containing 379 amino acids (20-377) and having a molecular mass of 41.8kDa. Beta Lactamase is expressed with a 21 N-terminal His tag.The LACTB is purified by proprietary chromatographic techniques. Beta-lactamase is a type of enzyme (EC 3.5.2.6) produced by some bacteria that is responsible for their resistance to beta-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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	The LACTB enzyme (1 mg/ml) is supplied in 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.
<b>Storage condition :</b>	LACTB although stable at 4°C for 1 week, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MAPQQINDIV HRTITPLIEQ QKIPGMAVAV IYQGKPYFT WGYADIAKKQ PVTQQTLFEL GSVSKTFTGV LGGDAIARGE IKLSDPTTKY WPELTAKQWN GITLLHLATY TAGGLPLQVP DEVKSSDLL RFYQNWQPAW APGTQRLYAN SSIGLFGALA VKPSGLSFEQ AMQTRVFQPL KLNHTWINVP PAEEKNYAWG YREGKAVHVS PGALDAEAYG VKSTIEDMAR WVQSNLPLD INEKTLLQGGI QLAQSRWQT GDMYQGLGWE MLDWPVNPDS IINGSDNKIA LAARPVKAIT PPTPAVRASW VHKTGATGGF GSYVAFIPEK ELGIVMLANK NYNPARVDA AWQILNALQ.