

## Beta Lactamase E.Coli Recombinant, His Active

<b>Item Number</b>	rAP-0856
<b>Synonyms</b>	Beta-lactamase, Cephalosporinase, ampC, ampA, b4150, JW4111.
<b>Description</b>	LACTB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 379 amino acids (20-377 a.a) and having a molecular mass of 41.8kDa. LACTB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P00811
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MAPQQINDIV HRTITPLIEQ QKIPGMAVAV IYQGKPYFT WGYADIAKKQ PVTQQTLFEL GSVSKTFTGV LGGDAIARGE IKLSDPTTKY WPELTAKQWN GITLLHLATY TAGGLPLQVP DEVKSSSDL RYQNWQPAW APGTQRILYAN SSIGLFGALA VKPSGLSFEQ AMQTRVFQPL KLNHTWINVP PAEEKNYAWG YREGKAVHVS PGALDAEAYG VKSTIED- MAR WVQSNLPLD INEKTLLQGI QLAQSRYWQT GDMYQGLGWE MLDWPVNPDS IINGSDNKIA
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The LACTB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is >700 units/mg, in which One unit will hydrolyze 1.0umole of Nitrocefin per minute at pH 7.0 at 37deg;C.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**