

Product datasheet for **AR09882PU-L**

Beta-lactamase (20-377, His-tag) Escherichia coli Protein

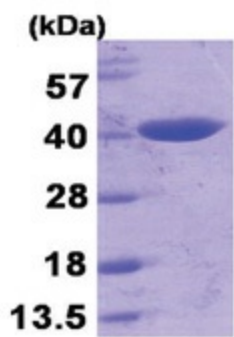
Product data:

Product Type:	Recombinant Proteins
Description:	Beta-lactamase (20-377, His-tag) e. coli recombinant protein, 0.5 mg
Species:	Escherichia coli
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH</u> SSSLVPRGSH MAPQQINDIV HRTITPLIEQ QKIPGMAVAV IYQGKPYFT WGYADIAKKQ PVTQQLFEL GSVSKTFTGV LGGDAIARGE IKLSDPTTKY WPELTAKQWN GITLLHLATY TAGGLPLQVP DEVKSSDLL RFYQNWQPAW APGTQRLYAN SSIGLFGALA VKPSGLSFEQ AMQTRVFQPL KLNHTWINVP PAEEKNYAWG YREGKAVHVS PGALDAEAYG VKSTIEDMAR WVQSNLKPLD INEKTLLQGGI QLAQSRYWQT GDMYQQLGWE MLDWVPNPDS IINGSDNKIA LAARPVKAIT PPTPAVRASW VHKTGATGGF GSYVAFIPEK ELGIVMLANK NYPNPARVDA AWQILNALQ
Tag:	His-tag
Predicted MW:	41.8 kDa
Concentration:	lot specific
Purity:	>95%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant E.coli beta-lactamase protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	AmpC, also known as Beta-lactamase, is the most widespread resistance mechanism to beta-lactam antibiotics, such as the penicillins and the cephalosporins. 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.



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