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Beta-lactaminase, E.coli, 20-377, His-tag, E.coli (Bioactivity Validated)

产品货号: TP01328

第三版

别名:ampC, ampA, Cephalosporinase

描述: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. Recombinant E.coli beta-lactamase protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

分子量:41.8 kDa (379aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMAPQQINDIVHRTITPLIEQQKIPGMAVAVIYQGKPYFTWGYADIAKKQPVTQQTLE
LGSVSKTFTGVLGGDAIARGEIKLSDPTTKYWPELTAKQWNGITLLHLATYTAGGLPLQVPDEVKSSDLLRFYQNWQPA
WAPGTQRLYANSSIGLFGALAVKPSGLSFEQAMQTRVFQPLKLNHTWINVPPAEEKNYAWGYREGKAVHVSFGALDAEA
YGVKSTIEDMARWVQSNLPLDINEKTLQQGIQLAQSRYWQTGDMYQGLGWEMLDWPVNPDSIINGSNDNKIALAARPV
KAITPPTPAVRASWVHKTGATGGFGSYVAFIPEKELGIVMLANKNYPNPARVDAAWQILNALQ

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.