

Recombinant Beta-lactamase SHV-1

Catalog No: #AP72993

Package Size: #AP72993-1 20ug #AP72993-2 100ug #AP72993-3 1mg

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Description

Product Name	Recombinant Beta-lactamase SHV-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:22-286aaSequence Info:Full Length
Other Names	PIT-2
Accession No.	P0AD64
Uniprot	P0AD63
GenelD	39633152;
Calculated MW	30.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SPQPLEQIKLSESQLSGRVGMIEMDLASGRITLTAWRADERFPMMSFKVVLGAVLARVDAGDEQLERKIH YRQQDLVDYSPVSEKHLADGMTVGELCAAITMSDNSAANLLLATVGGPAGLTAFLRQIGDNVTRLDRWETEL NEALPGDARDTTTPASMAATLRKLLTSQRLSARSQRQLLQWMVDDRVRAGPLIRSVLPAGWFIADKTGAGERG ARGIVALLGPNKAERIVVIYLRDTPASMAERNQQIAGIGAALIEHWQR
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

A beta-lactam + H₂O = a substituted beta-amino acid.

References

High-level expression of chromosomally encoded SHV-1 beta-lactamase and an outer membrane protein change confer resistance to ceftazidime and piperacillin-tazobactam in a clinical isolate of *Klebsiella pneumoniae*. Rice L.B., Carias L.L., Hujer A.M., Bonafede M., Hutton R., Huyen C., Bonomo R.A. *Antimicrob. Agents Chemother.* 44:362-367(2000) Research Topic: Others

Note: This product is for in vitro research use only