

Recombinant Carbapenem-hydrolyzing
beta-lactamase KPC(bla)



Catalog No: #AP73799

Orders: order@abscitech.com

Package Size: #AP73799-1 10ug #AP73799-2 50ug #AP73799-3 100ug #AP73799-4 200ug #AP73799-5 500ug #AP73799-6 1mg

Support: tech@abscitech.com

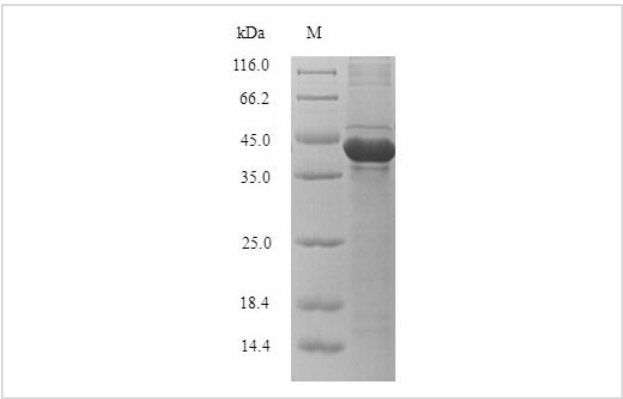
Description

Product Name	Recombinant Carbapenem-hydrolyzing beta-lactamase KPC(bla)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	bla
Other Names	Carbapenem-hydrolyzing beta-lactamase KPC-2
Accession No.	Uniprot ID: Q848S6
Target Species	Klebsiella oxytoca
SDS-PAGE MW	44.46kDa
Target Length	Full Length,25-293aa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	LTNLVAEPFAKLEQDFGGSIGVYAMDTGSGATVSYRAEERFPLCSSFKGFLAAAVLARSQQQAGLLDTPIRYG KNALVPWSPISEKYLTTGMTVAELSAAAVQYSDNAAANLLLKELGGPAGLTAFMRSIGDTTFRLDRWELELNS AIPGDARDTSSPRAVTESLQKLTLSALAAPQRQQFVDWLKGNTTGNHRIRAAPADWAVGDKTGTCGVYGT ANDYAVVWPTGRAPIVLAVYTRAPNKDDKHSEAVIAAAARLALEGLGVNGQ
Formulation	Tris-based buffer,50% 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.

Application Details

Greater than 80% as determined by SDS-PAGE.

Images



Background

Hydrolyzes carbapenems, penicillins, cephalosporins and aztreonam with varying efficiency.

References

"Carbapenem-resistant strain of *Klebsiella oxytoca* harboring carbapenem-hydrolyzing beta-lactamase KPC-2." Yigit H., Queenan A.M., Rasheed J.K., Biddle J.W., Domenech-Sanchez A., Alberti S., Bush K., Tenover F.C. *Antimicrob. Agents Chemother.* 47:3881-3889(2003)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.