

Carbapenem-hydrolyzing beta-lactamase KPC (bla) Recombinant Protein | bla recombinant protein

Recombinant Klebsiella oxytoca Carbapenem-hydrolyzing beta-lactamase KPC (bla)

CATALOG # AAA18777	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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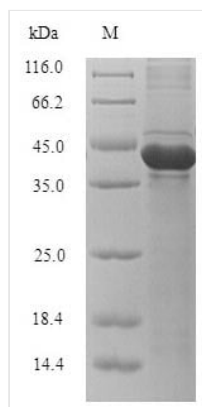
PRODUCT SYNONYMS

Carbapenem-hydrolyzing beta-lactamase KPC (bla); Recombinant Klebsiella oxytoca Carbapenem-hydrolyzing beta-lactamase KPC (bla); Carbapenem-hydrolyzing beta-lactamase KPC-2; bla recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-293aa; Full Length of Mature Protein
Sequence	LTNLVAEPFA KLEQDFGGS I GYAMDTGSG ATVSYRAEER FPLCSSFKGF LAAAVLARSQ QQAGLLDTPI RYGNALVPW SPISEKYLTT GMTVAELSAA AVQYSDNAAA NLLKELGGP AGLTAFMRSI GDTTFRDLRW EELNSAIPG DARDTSSPRA VTESLQKLT GSALAAPQRQ QFVDWLKNT TGNHRIRAAV PADWAVGDKT GTCGVYGTAN DYAVVWPTGR APIVLAVYTR APNKDDKHSE AVIAAAARLA LEGLGVNGQ
Species	Klebsiella oxytoca
Buffer	0.2 um Sterile Filtered PBS, pH 7.4, 20% glycerol
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for bla recombinant protein	Hydrolyzes carbapenems, penicillins, cephalosporins and aztreonam with varying efficiency.
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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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	490303915
NCBI GeneID	23339714
NCBI Accession #	WP_004199234.1
NCBI GenBank Nucleotide #	WP_004199234.1
UniProt Accession #	Q848S6
Molecular Weight	30.5 kDa
NCBI Official Full Name	MULTISPECIES: carbapenem-hydrolyzing class A beta-lactamase KPC-2
NCBI Official Symbol	CFNIH1_RS25375
NCBI Protein Information	carbapenem-hydrolyzing class A beta-lactamase KPC-2
UniProt Protein Name	Carbapenem-hydrolyzing beta-lactamase KPC
UniProt Gene Name	bla
UniProt Synonym Gene Names	kpc; kpc2
UniProt Entry Name	BLKPC_KLEOX

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.