

Recombinant *Klebsiella pneumoniae* Beta-lactamase NDM-1



Catalog No: #AP73014

Orders: order@signalwayantibody.com

Package Size: #AP73014-1 20ug #AP73014-2 100ug #AP73014-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant <i>Klebsiella pneumoniae</i> Beta-lactamase NDM-1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:29-270aaSequence Info:Full Length
Other Names	Metallo-beta-lactamase NDM-1
Accession No.	C7C422
Uniprot	C7C422
GeneID	11934636;13913959;13914060;13914125;13914405;14258327;14858116;15414734;17373266;18983573;20494087;39872256;
Calculated MW	27.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GEIRPTIGQQMETGDQRFGLVFRQLAPNVWQHTSYLDMPGFGAVASNGLIVRDGGRVLVVDTAWTDDQTA QILNWKQEINLPVALAVVTHAHQDKMGGMDALHAAGIATYANALSNQLAPQEGMVAQHSLSLFAANGWVPEP ATAPNFGPLKVFYPGPGHTSDNITVGIDGTDIAFGGCLIKDSKAKSLGNLGDADTEHYAASARAFGAAPFKASM IVMSHSAPDSRAAITHTARMADKLR
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

Confers resistance to many beta-lactam antibiotics, including some carbapens. Does not confer resistance to the polymixin colistin or the fluoroquinolone ciprofloxacin.

References

Emergence of a new antibiotic resistance mechanism in India, Pakistan, and the UK a molecular, biological, and epidemiological study.Kumarasamy K.K., Toleman M.A., Walsh T.R., Bagaria J., Butt F., Balakrishnan R., Chaudhary U., Doumith M., Giske C.G., Irfan S., Krishnan P., Kumar A.V., Maharjan S., Mushtaq S., Noorie T., Paterson D.L., Pearson A., Perry C. , Pike R., Rao B., Ray U., Sarma J.B., Sharma M., Sheridan E., Thirunaryan M.A., Turton J., Upadhyay S., Warner M., Welfare W., Livermore D.M., Woodford N.Lancet Infect. Dis. 10:597-602(2010)Research Topic:Others

Note: This product is for in vitro research use only