

Recombinant New Delhi Beta-lactamase NDM-1 protein

Catalog Number: CSB-RP076174Ba



Product Name:	Recombinant New Delhi Beta-lactamase NDM-1 protein
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Relevance :	Enterobacteriaceae carrying this gene (identified by PCR) have been isolated in Sweden, India, Pakistan, Bangladesh, England, Scotland, Northern Ireland, Australia and the USA. The organisms they were identified in were K.pneumoniae, Enterobacter cloacae, E.coli, Proteus spp, Citrobacter freundii, Morganella morganii, Providencia spp and Klebsilla oxytoca. In India most isolates were from community-acquired infections rather than hospital-acquired infections, indicating the gene is widespread in the environment. Confers resistance to many beta-lactam antibiotics, including some carbapenems. Does not confer resistance to the polymixin colistin or the fluoroquinolone ciprofloxacin.
Mol. Weight:	13kd
Tag	his-tagged
Source:	E.coli derived
Image:	
Purity:	>90%(SDS-PAGE)
Storage Buffer:	20mM Tris-HCl, 0.5M NaCl, pH 8.0, 50% glycerol
Storage :	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes :	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
AA sequence:	AANGWVEPATAPNFGPLKVFYPGPGHTSDNITVGIDGTDIAGGCLIKDSKAKSLGNLG
References:	"Characterization of a new metallo-beta-lactamase gene, bla(NDM-1), and a novel erythromycin esterase gene carried on a unique genetic structure in Klebsiella pneumoniae sequence type 14 from India." Yong D., Toleman M.A., Giske C.G., Cho H.S., Sundman K., Lee K., Walsh T.R. Antimicrob. Agents Chemother. 53:5046-5054(2009)