



Recombinant *K. pneumoniae* Carbapenemase Protein (DAGC755)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	<i>K. pneumoniae</i>
Purity	> 95 % as determined by SDS-PAGE
Applications	Positive Control, Immunogen
Molecular Weight	28 kDa
Format	Liquid
Size	100 µg
Buffer	20 mM Tris, pH 8 with 150 mM Sodium Chloride.
Preservative	0.09% Sodium Azide
Storage	Store at -20°C.

BACKGROUND

Introduction	Klebsiella pneumoniae carbapenemase (KPC)-producing Enterobacteriaceae have been reported in many countries, and outbreaks due to KPC-producing organisms have been reported worldwide. KPC is an enzyme that degrades penicillin, cephalosporin, and broad-spectrum β -lactams such as the carbapenems. This type of β -lactamase was discovered relatively recently, first detected in a strain isolated in the United States in 1996. The strain was considered a novel β -lactamase able to degrade carbapenem antibiotics; it was classified as a Bush group 2f, class A, serine- β -lactamase and was named KPC.
Keywords	Klebsiella pneumoniae Carbapenemase; <i>K. pneumoniae</i> Carbapenemase; KPC; Klebsiella

