



Recombinant Bacteria Beta Lactamase (DAG4359)

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

PRODUCT INFORMATION

Product Overview	Recombinant Beta Lactamase
Species	Bacteria
Purity	Greater than 90.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Conjugate	Unconjugated
Applications	Immunogen
Format	Lyophilized from a concentrated (1 mg/ml) solution in water containing 20mM Phosphate buffer pH-7.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Beta-lactamases are enzymes produced by some bacteria and are responsible for their resistance to beta-lactam antibiotics like penicillins, cephamycins, and carbapenems (ertapenem) (Carbapenems are relatively resistant to beta-lactamase). These antibiotics have a common element in their molecular structure: a four-atom ring known as a beta-lactam. The lactamase enzyme breaks the β -lactam ring open, deactivating the molecule's antibacterial properties.
Keywords	Cephalosporinase; Penicillinase; Beta-lactamase; <i>Saccharomyces cerevisiae</i> ; <i>S. cerevisiae</i> ; <i>Saccharomyces</i> ; Beta-lactamases; β -lactamase