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Product Datasheet

Recombinant *K. pneumoniae* NEO EBT-EPT008

Artikelname	Recombinant <i>K. pneumoniae</i> NEO
Artikelnummer	EBT-EPT008
Hersteller Artikelnummer	EPT008
Alternativnummer	EBT-EPT008-50
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant <i>Klebsiella Pneumoniae</i> Aminoglycoside 3-phosphotransferase is produced by our <i>E.coli</i> expression system and the target gene encoding Met1-Phe264 is expressed....
Molekulargewicht	Molecular weight: 29 KDa. Apparent molecular weight: 26-30 KDa, reducing conditions
UniProt	P00552
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung	<p>Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.</p> <p>Background: Aminoglycoside 3-phosphotransferase (APH(3)), also known as aminoglycoside kinase, is an aminoglycoside-modifying enzyme and widely presented in resistant bacteria. These ATP-dependent enzymes phosphorylate the 3-hydroxyl of a variety of aminoglycosides including kanamycins, neomycins, paromomycins, neamine, ribostamycin, geneticin, and paromamine. These phosphorylated aminoglycosides fail to bind to their respective ribosomal binding sites with high affinity, hence resistance is conferred to the drugs that are phosphorylated. APH(3) is primarily found in certain species of gram-positive bacteria</p>
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