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Product Datasheet

**Recombinant K. pneumoniae NEO
EBT-EPT008**

Article Name	Recombinant K. pneumoniae NEO
Biozol Catalog Number	EBT-EPT008
Supplier Catalog Number	EPT008
Alternative Catalog Number	EBT-EPT008-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Klebsiella Pneumoniae Aminoglycoside 3-phosphotransferase is produced by our E.coli expression system and the target gene encoding Met1-Phe264 is expressed....
Molecular Weight	Molecular weight: 29 KDa. Apparent molecular weight: 26-30 KDa, reducing conditions
UniProt	P00552
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Application Notes	Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test. 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