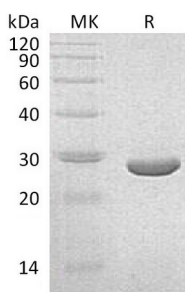


概述 (Summary)

英文全称	Kanamycin kinase type II/NEO
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Klebsiella Pneumoniae Aminoglycoside 3-phosphotransferase is produced by our E.coli expression system and the target gene encoding Met1-Phe264 is expressed.
Accession #	P00552
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Klebsiella pneumoniae
预测分子量 (Predicted MW)	29 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 6%Trehalose, 4%Mannitol, 0.05%Tween80, PH8.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

分子别名 (Alternative Names)	Aminoglycoside 3-phosphotransferase; APH(3)-II; APH(3)II; Kanamycin kinase
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背景介绍 (References)

type II; Neomycin-kanamycin phosphotransferase type II; neo 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.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.