

NEO recombinant protein

Recombinant Klebsiella Pneumoniae NEO Protein

CATALOG #
AAA22138

HOST
E Coli

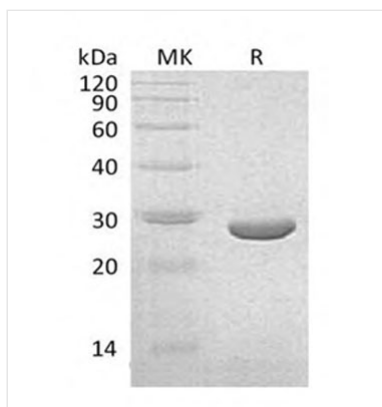
PRODUCT SYNONYMS

NEO; Recombinant Klebsiella Pneumoniae NEO Protein; Aminoglycoside 3'-phosphotransferase; APH(3')-II; APH(3')II; Kanamycin kinase type II; Neomycin-kanamycin phosphotransferase type II; neo; NEO recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 6% Trehalose, 4% Mannitol, 0.05% Tween80. pH 8.0
Concentration	1.28 mg/mL (varies by lot)
Sequence Length	264
Species	Klebsiella Pneumoniae
Sequence	Met1-Phe264
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Preparation and Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at <-20°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for NEO recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125463
UniProt Accession #	P00552
Molecular Weight	Molecular Mass: 29kDa Actual Protein Molecular Mass: 26-30kDa
NCBI Official Full Name	Aminoglycoside 3'-phosphotransferase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/neo-recombinant-protein-e-coli/22138>