Quality Assurance Documentation

invitrogen
by Thermo Fisher Scientific

ProjectID:	2024AATESD	**ConstructID:**	24AB3XED
Gene Name:	AzamiRed10	**Gene Size:**	708 bp
Designation:	E.coli K12 DH10B™ T1R	**Vector Backbone:**	pMK-RQ (KanR)
Issue Date:	21 June 2024	**Quantity:**	~5 µg Plasmid DNA

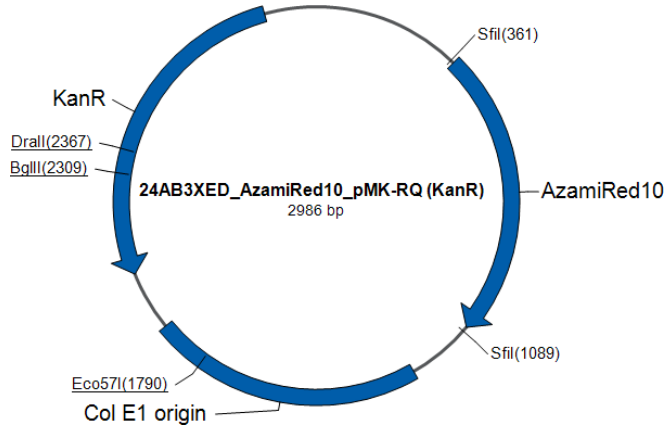
Product Description:

The synthetic gene AzamiRed10 was assembled from synthetic oligonucleotides and/or PCR products. The fragment was inserted into pMK-RQ (KanR). The plasmid DNA was purified from transformed bacteria and concentration determined by UV spectroscopy. The final construct was verified by sequencing. The sequence identity within the insertion sites was 100%. 5 µg of the plasmid preparation were vacuum dried for shipping.

Product Handling:

The delivered DNA amounts are indicated on the individual tube labels. Centrifuge tubes prior to opening. Do not store vacuum dried DNA for a prolonged time. Add an appropriate amount of distilled water or 10 mM Tris-HCl (pH 8.5) and incubate for 1 hour at room temperature (optionally followed by an overnight incubation at 4°C). Resuspend DNA by gently pipetting up and down a couple of times. If not to be used immediately, resuspended DNA should be stored at -20°C or -80°C. Storing as aliquots helps to reduce unfavorable freeze-thaw cycles. We recommend sequence verification after each subcloning respectively transformation step.

Plasmid Map:



Data Handling:

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