

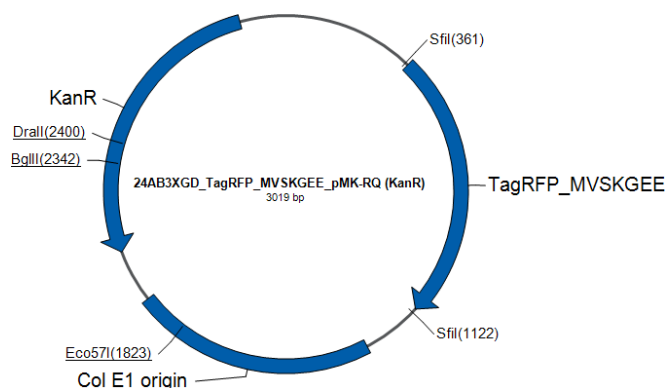
# Quality Assurance Documentation

<b>ProjectID:</b>	2024AATESD	<b>ConstructID:</b>	24AB3XGD
<b>Gene Name:</b>	TagRFP_MVSKGEE	<b>Gene Size:</b>	741 bp
<b>Designation:</b>	E.coli K12 DH10B™ T1R	<b>Vector Backbone:</b>	pMK-RQ (KanR)
<b>Issue Date:</b>	21 June 2024	<b>Quantity:</b>	~5 µg Plasmid DNA

**Product Description:** The synthetic gene TagRFP\_MVSKGEE 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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