

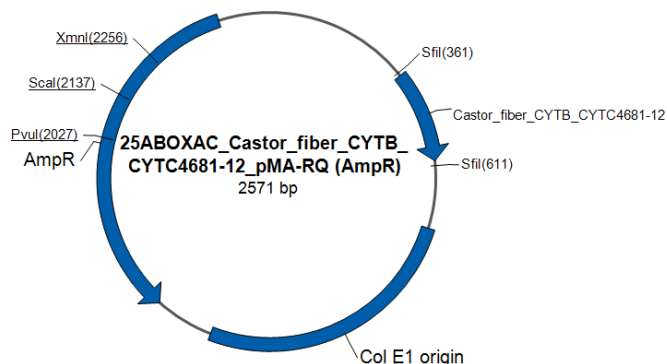
Quality Assurance Documentation

ProjectID:	2025AAEU4C	ConstructID:	25ABOXAC
Gene Name:	Castor_fiber_CYTB_CYTC4681-12	Gene Size:	230 bp
Designation:	E.coli K12 DH10B™ T1R	Vector Backbone:	pMA-RQ (AmpR)
Issue Date:	3 June 2025	Quantity:	~5 µg Plasmid DNA

Product Description: The synthetic gene Castor_fiber_CYTB_CYTC4681-12 was assembled from synthetic oligonucleotides and/or PCR products. The fragment was inserted into pMA-RQ (AmpR). 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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