

New England Biolabs Certificate of Analysis

Product Name: *pMAL™-c6T Vector*
 Catalog Number: *N0378S*
 Packaging Lot Number: *10182185*
 Expiration Date: *03/2026*
 Storage Temperature: *-20°C*
 Storage Conditions: *10 mM Tris-HCl, 1 mM EDTA (pH 7.5 @ 25°C)*
 Specification Version: *PS-N0378S v1.0*

pMAL™-c6T Vector Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N0378SVIAL	pMAL-c6T Vector	10179156	Pass

Assay Name/Specification	Lot # 10182185
DNA Concentration (A260) The concentration of pMAL™-c6T Vector is between 200 and 220 µg/ml as determined by UV absorption at 260 nm.	Pass
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 5 µg of pMAL™-c6T Vector incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass
Restriction Digest (Linearization) A 50 µl reaction in NEBuffer EcoRI containing 5 µg of pMAL™-c6T Vector and 20 units of EcoRI incubated for 1 hour at 37°C produces > 95% linearization resulting in a single band of approximately 5677 bp as determined by agarose gel electrophoresis.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



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Production Scientist
27 Feb 2023



Michael Tonello
Packaging Quality Control Inspector
28 Feb 2023