

PRODUCT DATA SHEET

PRODUCT NAME: pCMV MCS N-Myc Vector, 10 μ g (0.5 μ g/ μ L)

PRODUCT NUMBER: 82019 **LOT NUMBER: *******

Test Results:

A260/280 \geq 1.8

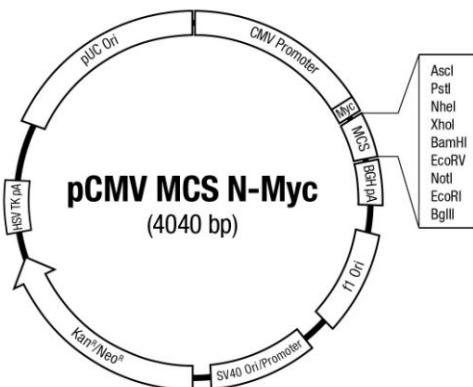
Identity: Sequence verified

Restriction enzyme digestion results in expected banding pattern on 1.0% agarose

Description: The pCMV MCS N-Myc Vector allows cloning a gene of interest so that it fuses in frame with the Myc tag at the N-terminus. The Myc-tagged expression vector plus a second vector expressing a potential interacting partner fused to Thermo Scientific™ TurboLuc™ (Tluc) Luciferase can be transfected into mammalian cells. Protein interaction can be easily and quantitatively measured using the Thermo Scientific™ Pierce™ qIP Protein Interaction Kit without Western blotting.

Vector Highlights:

- CMV (Cytomegalovirus) promoter for strong expression of target gene
- N-terminal Myc epitope tag for qIP assay (N-EQKLISEEDL-C)
- Kanamycin/neomycin resistance gene
- pUC origin of replication for high copy number in bacteria



The following features are present in the vector based on the nucleotide sequence:

CMV promoter	18-618
T7 promoter	625-642
Myc tag	659-688
Bovine growth hormone (BGH) poly(A) signal	773-898
f1 origin	1088-1394
Simian virus 40 (SV40) origin/promoter	1642-1901
Kanamycin/neomycin resistance gene	1936-2730
Herpes simplex virus (HSV) thymidine kinase (TK) poly(A) signal	2966-2984
pUC origin	3315-3958

Figure 1. pCMV MCS N-Myc Vector map and features. Nucleotide sequence information for the pCMV MCS N-Myc Vector is available online at: thermoscientific.com/pierce

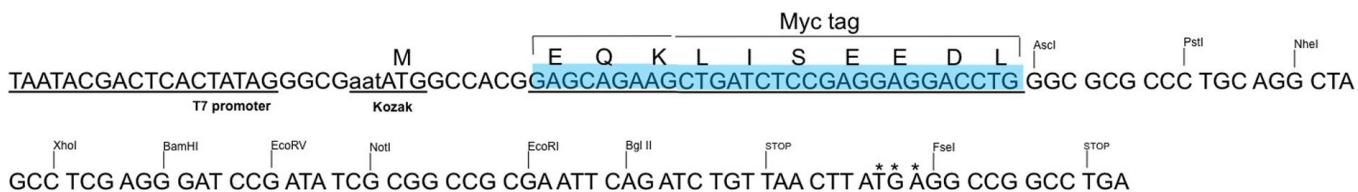


Figure 2. pCMV MCS N-Myc Vector multiple cloning site.
*** Stop codon in different reading frame.

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Limited Use Label License: Tluc Luciferases genes
(Thermo Scientific Product Nos. 82023, 82024, 82031, 82032, 82033, 82035, 82036)

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In addition, all buyers must either

a) for determinations of Tluc luciferase activity, use Thermo Scientific Pierce qIP protein Interaction Reagents (listed below)

Product Nos. 82013: Pierce qIP Protein Interaction Buffer L (1X), 140mL, sufficient for 100 qIP reactions
Product Nos. 82014: Pierce qIP Protein Interaction Buffer D (10X), 50mL, sufficient for 100 qIP reactions
Product Nos. 82015: Pierce qIP Protein Interaction Tluc Assay Reagents, 150 luciferase assay reactions
Product Nos. 82016: Pierce qIP Protein Interaction Tluc Assay Reagents, 1500 luciferase assay reactions
Product Nos. 82017: pCMV MCS N-HA, 10µg (0.5µg/µl)
Product Nos. 82018: pCMV MCS C-HA, 10µg (0.5µg/µl)
Product Nos. 82019: pCMV MCS N-Myc, 10µg (0.5µg/µl)
Product Nos. 82020: pCMV MCS C-Myc, 10µg (0.5µg/µl)
Product Nos. 82025: pCMV RFP C-HA, 10µg (0.5µg/µl)
Product Nos. 82026: pCMV RFP C-Myc, 10µg (0.5µg/µl)
Product Nos. 82028: pCMV BAD C-HA, 10µg (0.5µg/µl)
Product Nos. 82029: pCMV BAD C-Myc, 10µg (0.5µg/µl)
Product Nos. 82032: Pierce Agarose qIP Protein Interaction Kit, Tluc and HA Tags, 25 qIP reactions
Product Nos. 82033: Pierce Agarose qIP Protein Interaction Kit, Tluc and Myc Tags, 25 qIP reactions
Product Nos. 82035: Pierce Magnetic qIP Protein Interaction Kit, Tluc and HA Tags, 25 qIP reactions
Product Nos. 82036: Pierce Magnetic qIP Protein Interaction Kit, Tluc and Myc Tags, 25 qIP reactions

or

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