

***E. coli* K12  
POP2136/pFOS1**



1-800-632-7799  
info@neb.com  
www.neb.com



E4153S 003151020101

**E4153S**

Lot: 0031510

Store at -20°C

**Description:** A suspension of *E. coli* strain POP2136 containing the plasmid pFOS1 which has been grown in rich medium and brought to 50% glycerol. POP2136 background: EcoK r<sup>-</sup> m<sup>+</sup> McrBC<sup>+</sup> Dam<sup>+</sup> Dcm<sup>+</sup>.

**Genotype:** F<sup>-</sup> *glnV44 hsdR17 endA1 thi-1 aroB mal<sup>-</sup> cl857 lambdaPR tet<sup>R</sup>*

**Note: Grow cells at 30°C. The plasmid is unstable at 37°C.**

**Antibiotic Resistance:** The plasmid pFOS1 carries a gene encoding resistance to ampicillin (amp) and a gene encoding resistance to chloramphenicol (cam). To maintain the plasmid, cells should be grown with 100 µg/ml amp and 15–20 µg/ml cam.

**Notes:** Storage at -70°C is recommended for periods longer than 30 days. Avoid repeated freeze/thaw cycles.

**References:**

1. Shizuya, H. et. al. (1992) *Proc. Nat. Acad. Sci. USA* 89, 8794–8797.
2. Mori, H. et. al. (1986) *J. Mol. Biol.* 192 1–15.
3. Imber, R., Low, R. L. and Ray, D. S. (1983) *Proc. Nat. Acad. Sci. USA* 80, 7132–7136.
4. Disque-Kochem, C. et. al. (1986) *Mol. Gen. Genet.* 202, 132–135.
5. Komori, H. et. al. (1999) *EMBO J.* 18, 4597–4607.
6. Lane, D. et. al. (1986) *Nucleic Acids Res.* 14, 9713–9728.

**Antibiotic Resistance:** The plasmid pFOS1 carries a gene encoding resistance to ampicillin (amp) and a gene encoding resistance to chloramphenicol (cam). To maintain the plasmid, cells should be grown with 100 µg/ml amp and 15–20 µg/ml cam.

**Notes:** Storage at -70°C is recommended for periods longer than 30 days. Avoid repeated freeze/thaw cycles.

**References:**

1. Shizuya, H. et. al. (1992) *Proc. Nat. Acad. Sci. USA* 89, 8794–8797.
2. Mori, H. et. al. (1986) *J. Mol. Biol.* 192 1–15.
3. Imber, R., Low, R. L. and Ray, D. S. (1983) *Proc. Nat. Acad. Sci. USA* 80, 7132–7136.
4. Disque-Kochem, C. et. al. (1986) *Mol. Gen. Genet.* 202, 132–135.
5. Komori, H. et. al. (1999) *EMBO J.* 18, 4597–4607.
6. Lane, D. et. al. (1986) *Nucleic Acids Res.* 14, 9713–9728.



NEW ENGLAND BIOLABS® is a registered trademark of New England Biolabs, Inc.

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS

***E. coli* K12  
POP2136/pFOS1**



1-800-632-7799  
info@neb.com  
www.neb.com



E4153S 003151020101

**E4153S**

Lot: 0031510

Store at -20°C

**Description:** A suspension of *E. coli* strain POP2136 containing the plasmid pFOS1 which has been grown in rich medium and brought to 50% glycerol. POP2136 background: EcoK r<sup>-</sup> m<sup>+</sup> McrBC<sup>+</sup> Dam<sup>+</sup> Dcm<sup>+</sup>.

**Genotype:** F<sup>-</sup> *glnV44 hsdR17 endA1 thi-1 aroB mal<sup>-</sup> cl857 lambdaPR tet<sup>R</sup>*

**Note: Grow cells at 30°C. The plasmid is unstable at 37°C.**



NEW ENGLAND BIOLABS® is a registered trademark of New England Biolabs, Inc.

This product is intended for research purposes only. This product is not intended to be used for therapeutic or diagnostic purposes in humans or animals.

CERTIFICATE OF ANALYSIS