

## Product Information

### pFLAG-CMV™-2 Expression Vector

Catalog Number **E7033**

Storage Temperature -20 °C

#### Product Description

The pFLAG-CMV-2 Expression Vector is a 4.7 kb derivative of the pCMV5 transient expression vector<sup>1</sup> for intracellular expression of N-terminal Met-FLAG fusion proteins in mammalian cells.

The promoter-regulatory region of the human cytomegalovirus<sup>2</sup> drives transcription of FLAG®-fusion constructs.

pFLAG-CMV-2 Expression Vector is a shuttle vector for *E. coli* and mammalian cells. SV40 replication origin results in most efficient replication in COS cells.

The pFLAG-CMV-2-BAP Control Plasmid is a 6.1 kb derivative of the pCMV5 transient expression vector<sup>1</sup> for intracellular expression of N-terminal Met-FLAG bacterial alkaline phosphatase fusion protein in mammalian cells.

The promoter-regulatory region of the human cytomegalovirus<sup>2</sup> drives transcription of FLAG-BAP constructs.

pFLAG-CMV-2-BAP Control Plasmid is a shuttle vector for *E. coli* and mammalian cells. SV40 replication origin results in most efficient replication in COS cells.

**Map positions of key features in the pFLAG-CMV-2 Expression Vector and the pFLAG-CMV-2-BAP Control Plasmid can be found at**  
[www.sigma.com/vectormaps](http://www.sigma.com/vectormaps).

#### Components

- pFLAG-CMV-2 Expression Vector 20 µg  
Catalog Number E7398  
Supplied as 0.5 mg/ml in 10 mM Tris-HCl, pH 8.0, 1 mM EDTA.
- pFLAG-CMV-2-BAP Control Plasmid 20 µg  
Catalog Number P5100  
Supplied as 0.5 mg/ml in 10 mM Tris-HCl, pH 8.0, 1 mM EDTA.

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Storage/Stability

Store at -20 °C

#### References

1. Andersson, S., *et al.*, *J. Biol. Chem.*, **264**, 8222-8229 (1989)
2. Thomsen, D.R., *et al.*, *Proc. Natl. Acad. Sci. USA*, **81**, 659-663 (1984)

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