3050 Spruce Street, St. Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757
email: techservice@sial.com sigma-aldrich.com

Product Information

pFLAG-CMV™-3-BAP Control Plasmid

Catalog Number. **C3972**
Storage Temperature –20 °C

Product Description
pFLAG-CMV-3-BAP Control Plasmid is a 7.7 kb derivative of pCMV5[1] used for transient expression and secretion of N-terminal FLAG® bacterial alkaline phosphatase fusion protein in mammalian cells.

The promoter-regulatory region of the human cytomegalovirus[2] drives transcription of bacterial alkaline phosphatase. The preprotrypsin leader sequence[3] precedes the FLAG sequence. The amino-glycoside phosphotransferase II gene[4] (Neo) confers resistance to aminoglycosides such as G 418.[5]

pFLAG-CMV-3-BAP Control Plasmid is a shuttle vector for *E. coli* and mammalian cells. Efficiency of replication and genomic integration is optimal when using an SV40 T antigen-expressing host, such as COS cells.

Map positions of key features in the pFLAG-CMV-3-BAP Control Plasmid can be found at www.sigma.com/vectormaps .

Reagent
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
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3. Stevenson, B.J., *et al., Nucl. Acids Res*., **21**, 8307-8330 (1986)
4. Brewer, C.B., *Methods in Cell Biology*, **43**, 233-245 (1994)
5. Jiminez, A., and Davies, J., *Nature*, **287**, 869-871 (1980)

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