

Product Information

pFLAG-CMV-1™ EXPRESSION VECTOR

Product No. **E 7273**
 Store at 0 to -20 °C

Product Description

pFLAG-CMV-1 expression vector is a 4.7 kb derivative of the pCMV5 transient expression vector¹ used for expression and secretion of N-terminal FLAG® fusion proteins in mammalian cells.

The promoter-regulatory region of the human cytomegalovirus² drives transcription of FLAG-fusion constructs.

pFLAG-CMV-1 expression vector is a shuttle vector for *E. coli* and mammalian cells. SV40 replication origin results in most efficient replication in COS cells.

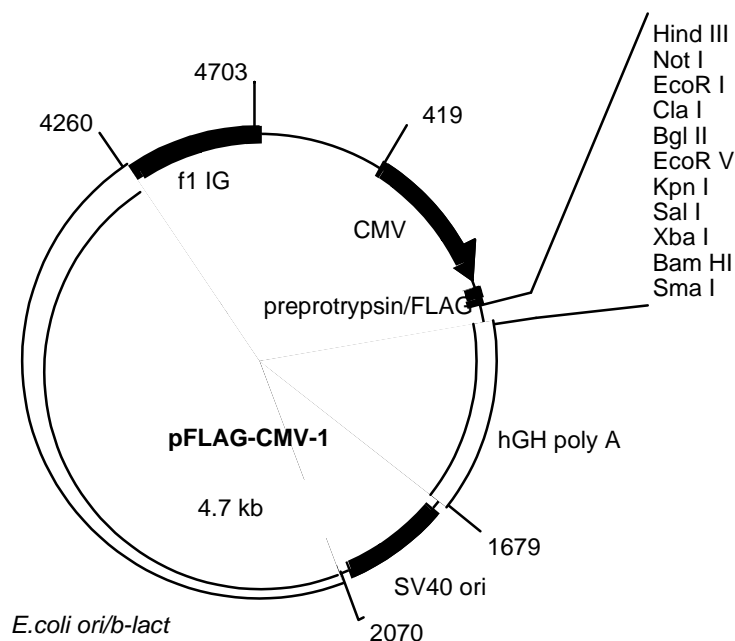
pFLAG-CMV-1 expression vector is supplied in 10 mM Tris, 1 mM EDTA, pH 8.0.

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)

pFLAG-CMV-1 Features

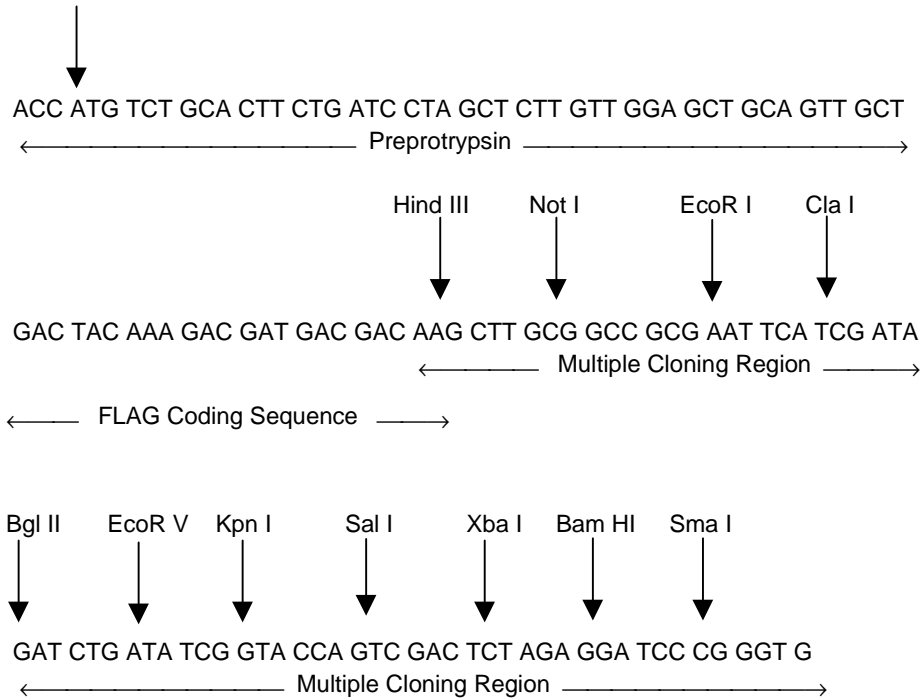
| Feature | Map Position |
|---------------------------|--------------|
| CMV promoter | 419 - 909 |
| CMV 30 sequencing primer | 818 - 847 |
| Translational initiation | 922 - 927 |
| Preprotrypsin leader/FLAG | 925 - 996 |
| Multiple cloning region | 991 - 1057 |
| hGH poly A | 1053 - 1679 |
| CMV 24 sequencing primer | 1115 - 1135 |
| SV40 ori | 1698 - 2041 |
| PBR322 ori/beta-lactamase | 2070 - 4259 |
| f1 intragenic region | 4260 - 4703 |



Nucleotide Sequence of the Multiple Cloning Region of the pFLAG-CMV-1 Expression Vector

Sequence Range: 922 to 1060

Translational initiation



02/02

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