

DATASHEET

pDream2.1/MCS

Version: 2016-09-14

Cat. No. SD0222

Name: pDream2.1/MCS

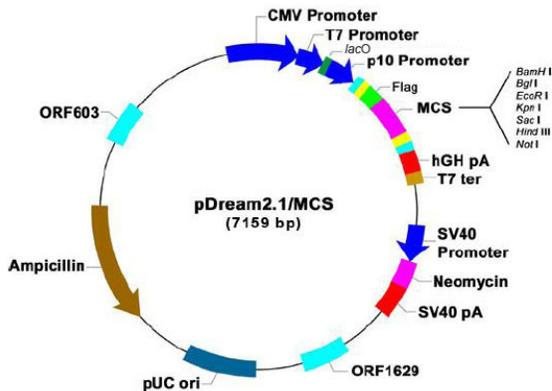
Size: 10 µg

Description: GenScript pDream2.1/MCS is an excellent expression vector. There are seven restriction enzyme sites

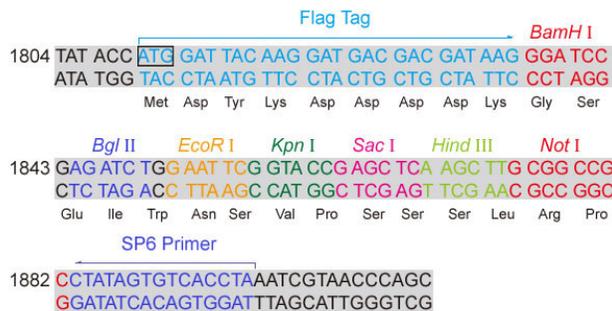
in MCS. The gene cloned into MCS can be expressed in any one of the three major protein expression systems: Bacteria, Insect cells and Mammalian cells.

Storage: Store at -20°C.

Map



P10 Promoter	57 - 1770
ORF603	45 - 1011
ORF1629	4921 - 5427
CMV Promoter:	1026 - 1608
SV40 Promoter:	3000 - 3345
Neomycin	3386 - 4180
pUC ori	5605 - 6236
Ampicillin	6237 - 7097
MCS	1837 - 1875



Forward Sequencing Primer:

DA0009: T7
(TAATACGACTCACTATAGGG)

Reverse Sequencing Primer:

DA0008: SP6
(TACGATTTAGGTGACACTATAG)

Features:

1. CMV promoter* is for high-level constitutive expression of genes in a variety of mammalian cell lines.
2. T7 promoter is for convenient expression of genes in bacteria and *in vitro* transcription/translation analysis.
3. P10 baculovirus promoter is for high-level expression of genes in baculovirus-infected insect cells.
4. A Flag tag sequence is placed before MCS for the single column purification and specific detection of the fused protein using specific and sensitive anti-Flag antibodies.
5. The Flag tag sequence is also the cleavage site by enterokinase (EK) to generate an authentic protein starting with Methionine.

* **Limited Use Label License:** The use of CMV promoter is covered under U. S. Patent No. 5,168,062 and 5,385,839 owned and licensed by the University of Iowa Research Foundation and is sold for research use only. Commercial users must obtain a license to these patents directly from the University of Iowa Research Foundation (UIRF), 214 Technology Innovation Center, Iowa City, Iowa 52242. For further information, please contact the Associate Director of UIRF, at 319-335-4546.