



LOCUS pHAGE-hSPC 10634 bp DNA circular SYN 3-JAN-2012

DEFINITION plasmid HIV Alex George Enhanced.

ACCESSION Your mama'

SOURCE Unknown.

ORGANISM Unknown

Unclassified.

REFERENCE 1 (bases 1 to 8541)

AUTHORS Self

JOURNAL Unpublished.

COMMENT /08 Annie Downton and SJO cloned h3.7kb SP-C promoter (from Whitsett 3.7SPC/SV40 plasmid) into pHAGE-CMV-GFP-W as follows

SV40t removed from SPC plasmid by BamH1-BamH1 cutting, blunting and self-ligation of blunt ends.

entire hSPC promoter lifted out by cutting Nde1-Not1 and ligated into pHAGE CMV-GFP-W backbone pre-cut Nde1-Not1 to remove most of CMV promoter.

Cut this backbone Spe1-Nde1 to remove residual CMV promoter fragment, blunted and ligated NB: final vector still has Spe1 site at start of promoter.

8/15/2008 Clone 6 perfect: Final sequence verified hSP-C promoter insert including both 5' and 3' junctions

sequence goes from 3' end of promoter through entire GFP CDS.

COMMENT This file is created by Vector NTI  
<http://www.informaxinc.com/>

COMMENT ORIGDB|GenBank

COMMENT VNTDATE|491134021|

COMMENT VNTDBDATE|614095330|

COMMENT LSOWNER|

COMMENT VNTNAME|pHAGE-hSPC-eGFP-W|

FEATURES Location/Qualifiers

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/gene="psi"  
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        /note="Woodchuck Hepatitis Virus Posttranscriptional Regulatory Element"
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ORIGIN

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8581 agagaattat gcagtgctgc cataaccatg agtgataaca ctgcggccaa ctacttctg  
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8761 accacgatgc ctgtagcaat ggcaacaacg ttgcgcaaac tattaactgg cgaactactt  
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10621 acaacttag tagt

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ApaBI (3)	gcannnnntgc	1458, 5508, 5745
ApaLI (3)	gtgcac	7239, 8351, 9597
Asel (3)	attaat	8847, 10082, 10264
BciVI (3)	gtatcc	7105, 8175, 9702
BsmI (3)	gaatgc	3541, 10419, 1594
BsrBI (3)	ccgctc	10344, 8179, 9980
BsrDI (3)	gcaatg	7278, 8964, 8782
BstAPI (3)	gcannnnntgc	1458, 5508, 5745
EcoRV (3)	gatatc	39, 118, 337
M.EcoBI (3)	tgannnnnnntgct	6553, 7932, 2708
M.EcoRV (3)	gatatc	39, 118, 337
M.MunI (3)	caattg	1195, 3365, 5513
M.StyLTIII (3)	gagnnnnnrtayg	8519, 1184, 10044
M.VspI (3)	attaat	8847, 10082, 10264
M.XbaI (3)	tctaga	5360, 5823, 6257
MfeI (3)	caattg	1195, 3365, 5513
SanDI (3)	gggwccc	1940, 3181, 4211
SphI (3)	gcatgc	3294, 4904, 5000
XbaI (3)	tctaga	5360, 5823, 6257
AatII (2)	gacgtc	7479, 8100
Acc65I (2)	ggtacc	5632, 6276
AclI (2)	aacgtt	8420, 8793
AhdI (2)	gacnnnnngtc	3061, 9023
AvrII (2)	cctagg	4474, 10190
BbeI (2)	ggcgcc	643, 2273
BpII (2)	gagnnnnnctc	686, 10139
BsaAI (2)	yacgtr	294, 4174
DrallI (2)	cacnngtg	216, 5385
EagI (2)	cggccg	1150, 6295
FspI (2)	tgcgca	2294, 8798
KasI (2)	ggcgcc	643, 2273
KpnI (2)	ggtacc	5632, 6276
M.AclI (2)	aacgtt	8420, 8793
M.BsaAI (2)	yacgtr	294, 4174
M.Cfr9I (2)	cccggg	6272, 7998
M.DrallI (2)	cacnngtg	216, 5385
M.EcoAI (2)	gagnnnnnnngtca	2532, 3558
M.KpnI (2)	ggtacc	5632, 6276
M.NgoMIV (2)	gccggc	1152, 7542

M.SauLPI (2)	gccggc	1152, 7542
M.SmaI (2)	cccggg	6272, 7998
M.Tth111I (2)	gacnngtc	3705, 5029
M.XcyI (2)	cccggg	6272, 7998
M.XmaIII (2)	cggccg	1150, 6295
NaeI (2)	gccggc	1152, 7542
NarI (2)	ggcgcc	643, 2273
NcoI (2)	ccatgg	5959, 6301
NgoMIV (2)	gccggc	1152, 7542
PfIMI (2)	ccannnnntgg	3484, 7270
PmlI (2)	cacgtg	294, 4174
PvuI (2)	cgatcg	2314, 8651
SapI (2)	gctcttc	1114, 10034
SfoI (2)	ggcgcc	643, 2273
SmaI (2)	cccggg	6272, 7998
Sse8647I (2)	aggwcct	3085, 3875
SspI (2)	aatatt	4509, 8216
StuI (2)	aggcct	5092, 10187
Tth111I (2)	gacnngtc	3705, 5029
UthSI (2)	cccggg	6272, 7998
XmaI (2)	cccggg	6272, 7998
XmnI (2)	gaannnttc	850, 8423
ZraI (2)	gacgtc	7479, 8100
AflIII (1)	acrygt	9911
BamHI (1)	ggatcc	7023
BsaBI (1)	gatnnnatc	7028
BspEI (1)	tccgga	314
BsrGI (1)	tgtaca	7012
BssHII (1)	gcgcgc	717
Bsu36I (1)	cctnagg	4046
Clal (1)	atcgat	6265
DrdI (1)	gacnnnnngtc	9809
EcoRI (1)	gaattc	2034
FseI (1)	ggccggcc	1153
M.AflIII (1)	acrygt	9911
M.BnaI (1)	ggatcc	7023
M.BseCI (1)	atcgat	6265
M.Bsp106I (1)	atcgat	6265
M.BstI (1)	ggatcc	7023
M.Bsu15I (1)	atcgat	6265

M.ClaI (1)	atcgat	6265
M.EcoKI (1)	aacnnnnnngtgc	8360
M.EcoR124II (1)	gaannnnnnrctg	6865
M.EcoRI (1)	gaattc	2034
M.KpnAI (1)	gaannnnntgcc	1897
M.KpnBI (1)	caaannnnnrctca	5335
M.PshAI (1)	gacnnnngtc	6205
M.Rrh4273I (1)	gtcgac	6251
M.RsrI (1)	gaattc	2034
M.SalI (1)	gtcgac	6251
M.SsoI (1)	gaattc	2034
M.StySPI (1)	aacnnnnnngtrc	8360
M.XcmI (1)	ccannnnnnnntgg	3408
NotI (1)	gcggccgc	6296
NruI (1)	tcgcca	837
PacI (1)	ttaattaa	8006
PciI (1)	acatgt	9911
PshAI (1)	gacnnnngtc	6205
PsiI (1)	ttataa	7959
SacII (1)	ccgccg	7530
SalI (1)	gtcgac	6251
SbfI (1)	cctgcagg	6246
SfiI (1)	ggccnnnnnggcc	10143
SpeI (1)	actagt	2218
XcmI (1)	ccannnnnnnntgg	3408