

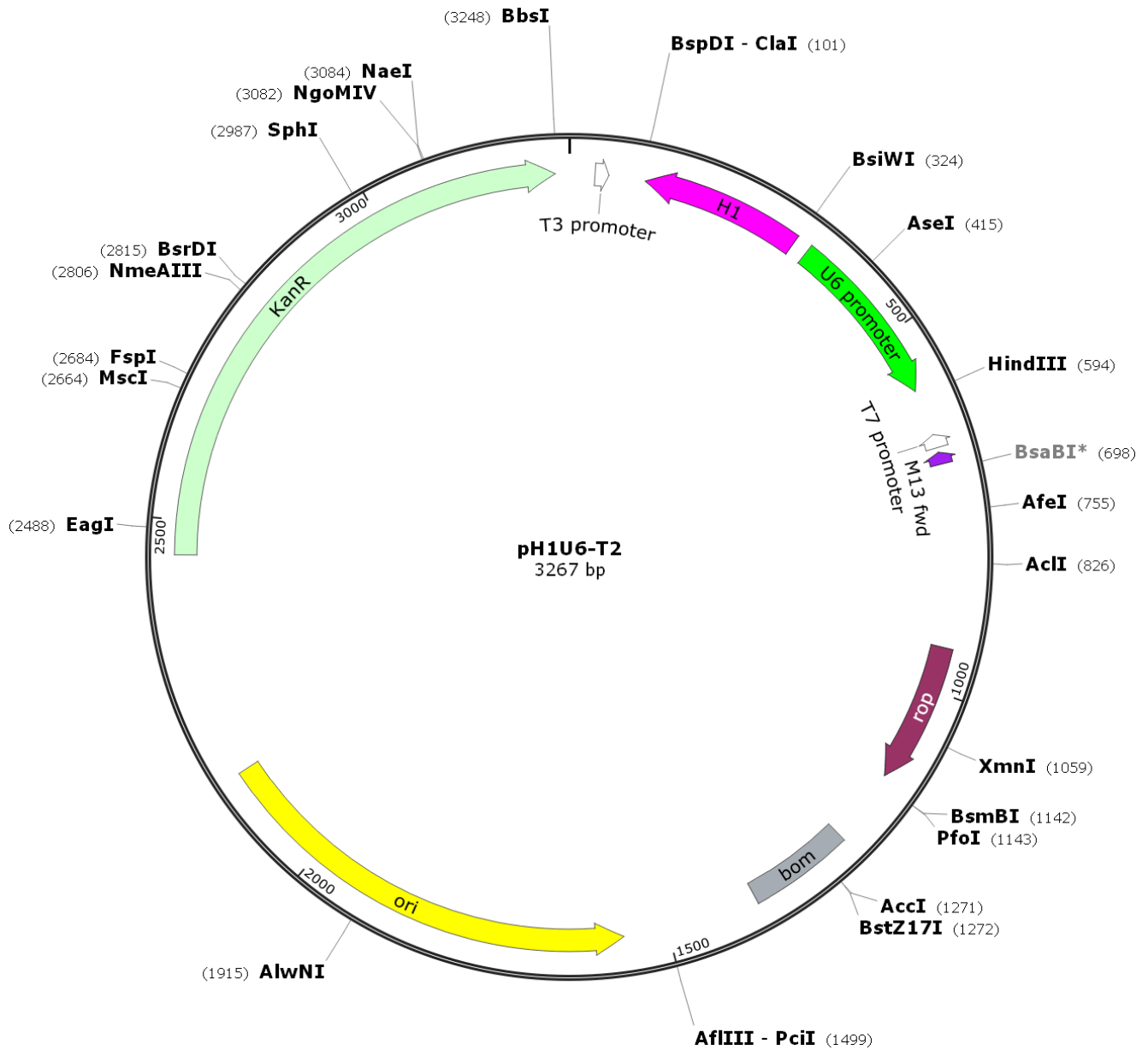
**Vector:** pH1U6-T2 [FAMSi PCR template-2]

**Antibiotic Selection:** Kan

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Oncology Lab of The University of Chicago Medical Center

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## pH1U6-T2 (Template-2) Full-length Sequence

GGAAACAGCTATGACCATGATTACGCCAAGCTCGAAATTAACCCTCACTAAAGGGAACAAAAGCTGGTACGAGGA  
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## Zero-Cutters :

#	Enzyme	Specificity	26	BspEI	TCCGGA	53	PmlI	CACGTG
1	Acc65I	GGTACC	27	BsrGI	TGTACA	54	PpuMI	RGGWCCY
2	AflII	CCTAAG	28	BstBI	TTCGAA	55	PshAI	GACNNNGTC
3	AgeI	ACCGGT	29	BstEII	GGTNACC	56	PspXI	VCTCGAGB
4	AleI	CACNNNNGTG	30	BstXI	CCANNNNNTGG	57	PstI	CTGCAG
5	ApoI	RAATY	31	Bsu36I	CCTNAGG	58	PvuI	CGATCG
6	AscI	GGCGGCC	32	BtsI	GCAGTGNN	59	RsrII	CGGWCCG
7	AsiSI	GGGATCGC	33	CspCI	NN(N)11CAA(N)5GTGG(N)10NN	60	SacI	GAGCTC
8	AvaI	CYCGRG				61	SacII	CCGCGG
9	AvrII	CCTAGG	34	DraIII	CACNNGTG	62	SalI	GTCGAC
10	BaeI	(N)5(N)10ACNNNNGTAYC(N)7(N)5	35	Eco53kI	GAGCTC	63	SbfI	CCTGCAG
11	BamHI	GGATCC	36	EcoNI	CCTNNNNNAGG	64	ScaI	AGTACT
12	BbvCI	CCTCAGC	37	EcoRI	GAATTC	65	SexAI	ACCWGGT
13	BclI	TGATCA	38	EcoRV	GATATC	66	SfiI	GGCCNNNNNGGCC
14	BglI	GCCNNNNGGC	39	FseI	GGCCGGCC	67	SgrAI	CRCCGGYG
15	BglII	AGATCT	40	HincII	GTYRAC	68	SmaI	CCCGGG
16	BlpI	GCTNAGC	41	HpaI	GTTAAC	69	SnaBI	TACGTA
17	BmgBI	CACGTC	42	KpnI	GGTACC	70	SpeI	ACTAGT
18	BmtI	GCTAGC	43	MfeI	CAATTC	71	SrfI	GCCCCGGC
19	Bpu10I	CCTNAGC	44	MluI	ACGCT	72	StuI	AGGCT
20	BsaI	GGTCTCNNNN	45	NheI	GCTAGC	73	SwaI	ATTTAAAT
21	BsaXI	NN(N)9AC(N)5CTCC(N)7NNN	46	NotI	CCGGCCGC	74	TspMI	CCCGGG
22	BseRI	GAGGAG(N)8NN	47	NruI	TCGCGA	75	XbaI	TCTAGA
23	BsgI	GTGCAG(N)14NN	48	NsiI	ATGCAT	76	XcmI	CCANNNNNNNTGG
24	BsmI	GAATGCN	49	PacI	TTAATTAA	77	XhoI	CTCGAG
25	BsoBI	CYCGRG	50	PaeR7I	CTCGAG	78	XmaI	CCCGGG
			51	PflMI	CCANNNNNTGG			
			52	PmeI	GTTTAAAC			

## One-Cutters :

#	Enzyme	Specificity	Sites & flanks	Cut positions (blunt - 5' ext. - 3' ext.)
1	<a href="#">AatII</a>	G↓ACGT C	<a href="#">list</a>	*314/310
2	<a href="#">AclI</a>	GT ↓K↓AC	<a href="#">list</a>	1271/1273
3	<a href="#">AclI</a>	AA ↓G↓TT	<a href="#">list</a>	*826/828
4	<a href="#">AfeI</a>	AGC ↓GCT	<a href="#">list</a>	*755
5	<a href="#">AflIII</a>	A CRYG ↓T	<a href="#">list</a>	1499/1503
6	<a href="#">AlwNI</a>	CAG ↓NN↓ CTG	<a href="#">list</a>	1915/1912
7	<a href="#">ApaI</a>	G ↓GGCC C	<a href="#">list</a>	*285/281
8	<a href="#">AseI</a>	AT ↓TA↓AT	<a href="#">list</a>	415/417
9	<a href="#">AvaII</a>	G GWC ↓C ↓	<a href="#">list</a>	786/789
10	<a href="#">BbsI</a>	GAAG↓CNN NNNN ↓	<a href="#">list</a>	3248/3252
11	<a href="#">BcgI</a>	↓NN (↓)10CGA(N)6TGC(N)10 ↓NN	<a href="#">list</a>	*1078/1076+1112/1110
12	<a href="#">BsaBI</a>	G↓NN ↓NNATC	<a href="#">list</a>	*#698
13	<a href="#">BsiWI</a>	C GTAC ↓C	<a href="#">list</a>	*324/328
14	<a href="#">BsmBI</a>	CG↓TCN NNNN ↓	<a href="#">list</a>	*1142/1146
15	<a href="#">BspDI</a>	AT CG ↓AT ↓	<a href="#">list</a>	*101/103
16	<a href="#">BsrDI</a>	GC↓ATG ↓NN	<a href="#">list</a>	2815/2813
17	<a href="#">BssHII</a>	G CCG ↓C	<a href="#">list</a>	*251/255
18	<a href="#">BstZ17I</a>	GTA ↓TAC	<a href="#">list</a>	1272
19	<a href="#">ClaI</a>	AT ↓CG ↓AT ↓	<a href="#">list</a>	*101/103
20	<a href="#">EagI</a>	C ↓GCC ↓G	<a href="#">list</a>	*2488/2492
21	<a href="#">EcoO109I</a>	RG GNC ↓CY	<a href="#">list</a>	347/350
22	<a href="#">Esp3I</a>	CGT↓TCN NNNN ↓	<a href="#">list</a>	*1142/1146
23	<a href="#">FspI</a>	TGC ↓GCA	<a href="#">list</a>	*2684
24	<a href="#">HindIII</a>	A ↓GCT ↓T	<a href="#">list</a>	594/598
25	<a href="#">MscI</a>	TGG ↓CCA	<a href="#">list</a>	2664
26	<a href="#">NaeI</a>	GGC ↓GGC	<a href="#">list</a>	*3084
27	<a href="#">NgoMIV</a>	G CCG ↓C ↓	<a href="#">list</a>	*3082/3086
28	<a href="#">NmeAIII</a>	GGCGAG(N)19 ↓NN	<a href="#">list</a>	2807/2805
29	<a href="#">PciI</a>	A C↓ATG ↓T	<a href="#">list</a>	1499/1503
30	<a href="#">PsiI</a>	T↓A ↓TAA	<a href="#">list</a>	127
31	<a href="#">PspOMI</a>	G GGCC ↓C	<a href="#">list</a>	*281/285
32	<a href="#">SphI</a>	G ↓CATG C	<a href="#">list</a>	2987/2983
33	<a href="#">SspI</a>	AAT ↓AT↓	<a href="#">list</a>	196
34	<a href="#">XmnI</a>	GAAN ↓NNTTC	<a href="#">list</a>	1059
35	<a href="#">ZraI</a>	GAC ↓GTC	<a href="#">list</a>	*312