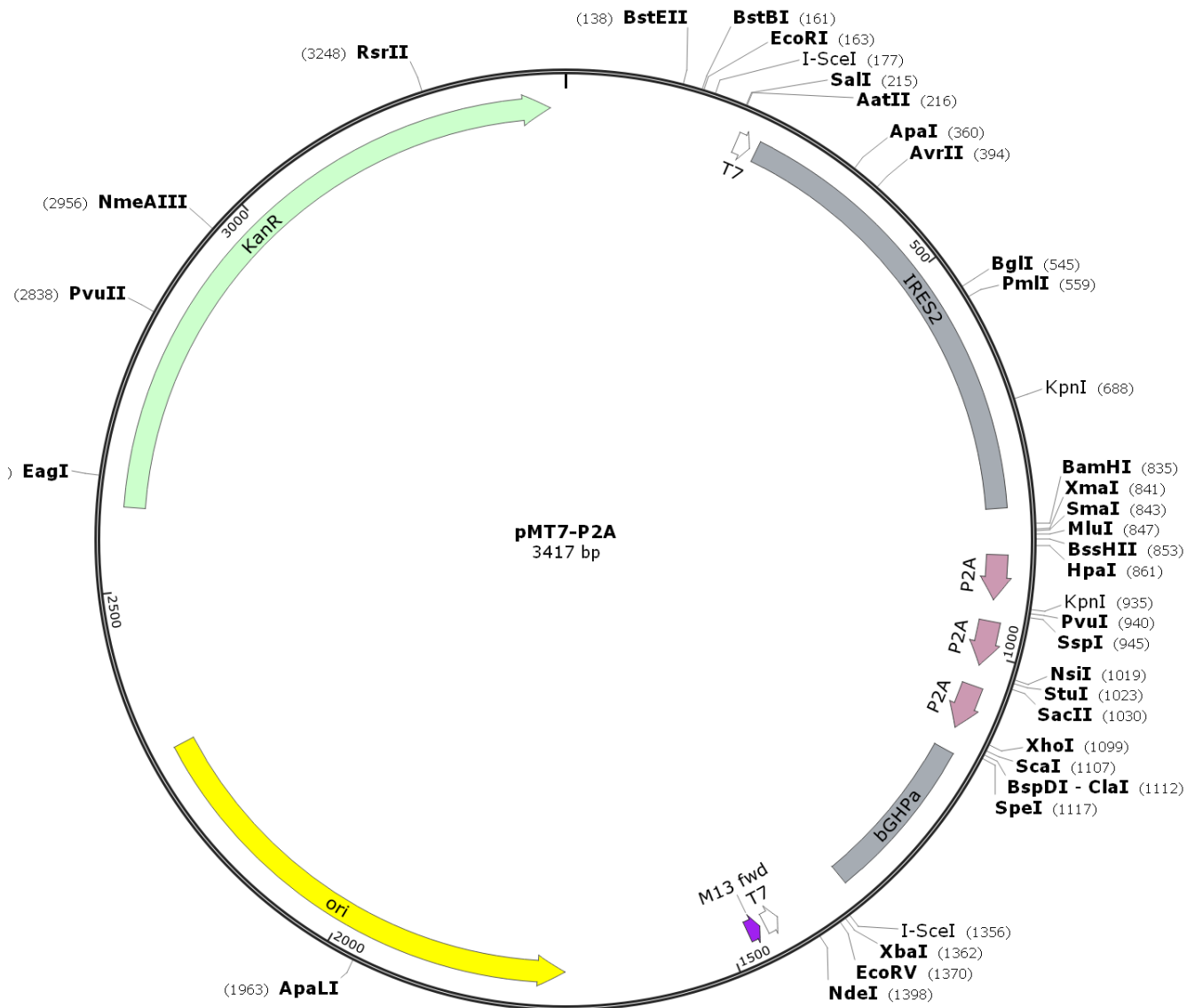


**Vector:** pMT7-P2A (ISC flanking MOLab T7IRES2-3xP2A expression vector)

**Antibiotic Selection:** Kan

**Creator(s):** Na Ni @ Molecular Oncology Lab of The University of Chicago Medical Center

**Date of Construction:** October 2020



### IRES2-Gene-Linker

IRES2 --acaacc **atg** ggc **GGATCC** CCCGGG ACGCGT GCGCGC **GTTAAC** gga agc gga--P2A

## pMT7-P2A Full-length Sequence

GGAAACAGCTATGACCATGATTACGCCAAGCTCGAAATTACCCTCACTAAAGGGAACAAAAGCTGGTACGAGGACAGGCTGG  
 AGCCATGGGCATGGCTACTCAAGCTGATTTGATGGAGTTGGACATGGCCATGGCTGGTACCACGTCGTGGAATGCCTTCGA  
 ATTCTAGGGATAACAGGGTAAATGTCGAAATTCAGCACCTGCACATGGGACGTCGACTAATACGACTCACTATAGGGAGA ccc  
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 ccatattgccgtcttttggcaatgtgagggcccgaaacctggccctgtcttcttgacgagcattcctaggggtctttcccc  
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### Zero Cutters

#	Enzyme	Specificity			
1	AfeI	AGCGCT	18	BsiWI	CGTACG
2	AflII	CTTAAG	19	BspEI	TCCGGA
3	AgeI	ACCGGT	20	BsrGI	TGTACA
4	AleI	CACNNNGTG	21	BstAPI	GCANNNNNTGC
5	AscI	GGCGCGCC	22	BstZ17I	GTATAC
6	AseI	ATTAAT	23	Bsu36I	CCTNAGG
7	AsiSI	GCGATCGC	24	BtsI	GCAGTGNN
8	BaeI	(N) 5 (N) 10ACNNNNGTAYC (N) 7 (N) 5	25	CspCI	NN (N) 11CAA (N) 5GTGG (N) 10NN
9	BbvCI	CCTCAGC	26	Eco53kI	GAGCTC
10	BcgI	NN (N) 10CGA (N) 6TGC (N) 10NN	27	FseI	GGCCGGCC
11	BclI	TGATCA	28	MfeI	CAATTG
12	BglII	AGATCT	29	NheI	GCTAGC
13	BlpI	GCTNAGC	30	NotI	GCGGCCGC
14	BmtI	GCTAGC	31	NruI	TCGCGA
15	Bpu10I	CCTNAGC	32	PacI	TTAATTAA
16	BsaBI	GATNNNNATC	33	PmeI	GTTTAAAC
17	BsaXI	NNN (N) 9AC (N) 5CTCC (N) 7NNN	34	PpuMI	RGGWCCY
			35	PshAI	GACNNNNNGTC

36	PsiI	TTATAA	42	SgrAI	CRCCGGYG
37	PspXI	VCTCGAGB	43	SnaBI	TACGTA
38	PstI	CTGCAG	44	SrfI	GCCCGGGC
39	SacI	GAGCTC	45	SwaI	ATTTAAAT
40	SbfI	CCTGCAGG	46	XcmI	CCANNNNNNNNTGG
41	SfiI	GGCCNNNNNGGCC			