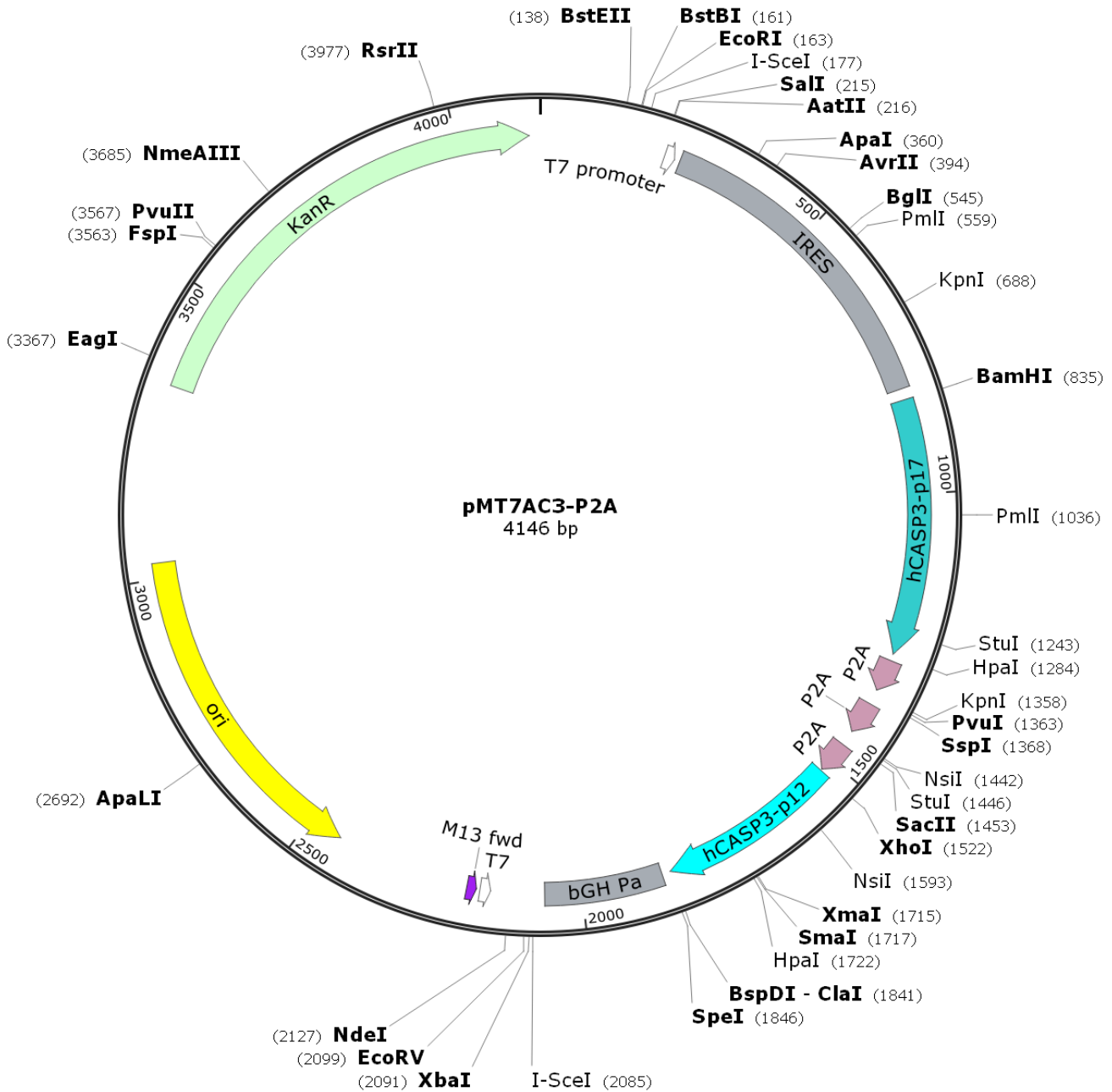


**Vector:** pMT7AC3-P2A (MOLab T7IRES2-Active hCASP3-P2A vector)

**Antibiotic Selection:** Kan

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

**Date of Construction:** November 2020



### IRES2-Gene-Linker

IRES2--acaaccatg ggc GGATCC CCCGGG ACGCGT GCGCGC GTTAAC gga agc gga--P2A

## pMT7AC3-P2A Full-length Sequence

GGAAACAGCTATGACCATGATTACGCCAAGCTCGAAATTACCCCTCACTAAAGGGAACAAAAGCTGGTACGAGGACAGGCTGG  
 AGCCATGGGCATGGCTACTCAAGCTGATTTGATGGAGTTGGACATGGCCATGGCTGGTACCACGTCGTGGAATGCCCTCGA  
 ATTCTAGGGATAACAGGGTAATGTCGAAATTCAGCACCTGCACATGGGACGTCGACTAATACGACTCACTATAGGGAGA ccc  
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 ccatattgccgtcttttggcaatgtgagggcccgaaacctggccctgtcttcttgacgagcattcctaggggtctttcccc  
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### Zero Cutters

#	Enzyme Specificity	7	BbvCI	CCTCAGC
1	AfeI AGCGCT	8	BcgI	NN (N) 10CGA (N) 6TGC (N) 10NN
2	AflIII CTTAAG	9	BclI	TGATCA
3	AgeI ACCGGT	10	BglII	AGATCT
4	AleI CACNNNGTG	11	BlpI	GCTNAGC
5	AscI GCGCGCC	12	BmtI	GCTAGC
6	AsiSI GCGATCGC	13	Bpu10I	CCTNAGC

14	BsaBI	GATNNNNATC	30	NheI	GCTAGC
15	BsaXI		31	NotI	GCGGCCGC
	NNN (N) 9AC (N) 5CTCC (N) 7NNN		32	NruI	TCGCGA
16	BsiWI	CGTACG	33	PacI	TTAATTAA
17	BspDI	ATCGAT	34	PmeI	GTTTAAAC
18	BspEI	TCCGGA	35	PpuMI	RGGWCCY
19	BsrGI	TGTACA	36	PshAI	GACNNNNGTC
20	BssHII	GCGCGC	37	PstI	CTGCAG
21	BstAPI	GCANNNNNTGC	38	SacI	GAGCTC
22	BstZ17I	GTATAC	39	SbfI	CCTGCAGG
23	BtsI	GCAGTGNN	40	ScaI	AGTACT
24	ClaI	ATCGAT	41	SfiI	GGCCNNNNNGGCC
25	CspCI		42	SgrAI	CRCCGGYG
	NN (N) 11CAA (N) 5GTGG (N) 10NN		43	SnaBI	TACGTA
26	Eco53kI	GAGCTC	44	SrfI	GCCCGGGC
27	FseI	GGCCGGCC	45	SwaI	ATTTAAAT
28	MfeI	CAATTG	46	XcmI	CCANNNNNNNNNTGG
29	MluI	ACGCGT			