愚公生物 Yugong Biotech | 百时美 BestEnzymes

愚公生物 & 百时美——限制酶特性表

	名称	货号	酶切序列	随酶提供 Buffer	在不同 Buffer 中的活性				反应温度 (ºC)	热失活温度 (ºC)	甲基化敏感性	保护碱基 (bp)
					百时美 CutOne® Buffer	Thermo FastDigest Buffer	NEB rCutSmart™ Buffer	Takara QuickCut™ Buffer				
⚡	LightNing® AccI	EG15502S	GT/MKAC	CutOne®	100	< 10	100	< 10	37	80	CpG	13
⚡	LightNing® AgeI	EG23501S	A/CCGGT	CutOne®	100	50	100	50	37	80	CpG	1
⚡	LightNing® ApaLI	EG15601S	G/TGCAC	CutOne®	100	75	100	100	37	80	CpG EK	Not Determined
⚡	LightNing® AscI	EG15508S	GG/CGCGCC	CutOne®	100	100	100	100	37	80	CpG	0
⚡	LightNing® AvrII	EG15509S	C/CTAGG	CutOne®	100	100	100	100	37	No		3
⚡	LightNing® BamHI	EG15510S	G/GATCC	CutOne®	100	100	100	100	37	No		3
⚡	LightNing® BclI	EG15513S	T/GATCA	CutOne®	100	100	100	100	37	80	Dam EB	3
⚡	LightNing® BglII	EG15591S	A/GATCT	CutOne®	100	100	100	50	37	No	EB	2
⚡	LightNing® BsaI	EG15518S	GGTCTC(1/5)	CutOne®	100	100	100	100	37	80	CpG Dcm	1
⚡	LightNing® BsrGI	EG23505S	T/GTACA	CutOne®	100	100	100	100	37	80		1
⚡	LightNing® BstBI	EG15607S	TT/CGAA	CutOne®	100	100	100	100	37	80	CpG EK	Not Determined
⚡	LightNing® BstEII	EG15528S	G/GTNACC	CutOne®	100	75	100	75	37	80	EB EK	Not Determined
⚡	LightNing® ClaI	EG15532S	AT/CGAT	CutOne®	100	100	100	100	37	80	Dam CpG EB	4
⚡	LightNing® DdeI	EG24501S	C/TNAG	CutOne®	100	50	100	50	37	80	EB	1
⚡	LightNing® DpnI	EG15585S	Gm^{6}A/TC	CutOne®	100	100	100	100	37	80	CpG EB	2
⚡	LightNing® DpnII	EG15533S	/GATC	CutOne®	100	75	100	75	37	80	Dam EB	Not Determined
⚡	LightNing® DraI	EG23502S	TTT/AAA	CutOne®	100	100	100	100	37	80	EK	Not Determined
⚡	LightNing® EagI	EG15535S	C/GGCCG	CutOne®	100	100	100	100	37	80	CpG	2
⚡	LightNing® EarI	EG23511S	CTCTTC(1/4)	CutOne®	100	12.5	100	25	37	80	CpG	Not Determined
⚡	LightNing® EcoRI	EG15536S	G/AATTC	CutOne®	100	100	100	100	37	80	CpG EB	5
⚡	LightNing® EcoRV	EG15537S	GAT/ATC	CutOne®	100	100	100	100	37	80	CpG EB	5
⚡	LightNing® Esp3I (BsmBI)	EG21503S	CGTCTC(1/5)	CutOne®	100	100	100	100	37	80	CpG	1
⚡	LightNing® FspI	EG15586S	TGC/GCA	CutOne®	100	100	100	100	37	No	CpG	Not Determined
⚡	LightNing® HaeIII	EG23509S	GG/CC	CutOne®	100	100	100	100	37	80		Not Determined
⚡	LightNing® HindIII	EG15539S	A/AGCTT	CutOne®	100	75	100	100	37	80	EB	3
⚡	LightNing® HinfI	EG15593S	G/ANTC	CutOne®	100	100	100	50	37	80	CpG EB	Not Determined
⚡	LightNing® HpaI	EG15541S	GTT/AAC	CutOne®	100	100	100	50	37	80	CpG EK	1
⚡ EPI	LightNing® HpaII	EG23507S	C/CGG	CutOne®	100	< 25	100	< 25	37	80	CpG	Not Determined
⚡	LightNing® KasI	EG15543S	G/GCGCC	CutOne®	100	100	100	100	37	80	CpG	1
⚡	LightNing® KpnI	EG15544S	GGTAC/C	CutOne®	100	100	100	100	37	No		2
⚡	LightNing® MluI	EG15547S	A/CGCGT	CutOne®	100	75	100	100	37	80	CpG EK EB	3
⚡	LightNing® MnlI	EG15548S	CCTC(7/6)	CutOne®	100	100	100	100	37	80	EB	Not Determined
⚡ EPI	LightNing® MspI	EG23508S	C/CGG	CutOne®	100	25	100	25	37	No		Not Determined
⚡	LightNing® MunI (MfeI)	EG23510S	C/AATTG	CutOne®	100	12.5	100	12.5	37	No		3
⚡	LightNing® NcoI	EG15550S	C/CATGG	CutOne®	100	100	100	100	37	80		3
⚡	LightNing® NdeI	EG15551S	CA/TATG	CutOne®	100	100	100	100	37	80		3
⚡	LightNing® NheI	EG15552S	G/CTAGC	CutOne®	100	100	100	100	37	80	CpG	3
⚡	LightNing® NotI	EG15553S	GC/GGCCGC	CutOne®	100	100	100	100	37	80	CpG	4
⚡	LightNing® NruI	EG15602S	TCG/CGA	CutOne®	100	100	100	100	37	No	CpG Dam	Not Determined
⚡	LightNing® NsiI	EG15606S	ATGCA/T	CutOne®	100	100	100	100	37	80	EB	3
⚡	LightNing® PacI	EG15603S	TTAAT/TAA	CutOne®	100	100	100	100	37	80		1
⚡	LightNing® PmeI	EG23506S	GTTT/AAAC	CutOne®	100	50	100	50	37	80	CpG	1
⚡	LightNing® PspGI (EcoRII)	EG15560S	/CCWGG	CutOne®	100	100	100	50	75	No	Dcm	Not Determined
⚡	LightNing® PstI	EG15561S	CTGCA/G	CutOne®	100	100	100	100	37	No		2
⚡	LightNing® PvuI	EG23513S	CGAT/CG	CutOne®	100	100	100	100	37	80	CpG	1
⚡	LightNing® PvuII	EG15604S	CAG/CTG	CutOne®	100	100	100	100	37	No	EB	4
⚡	LightNing® SacI	EG15565S	GAGCT/C	CutOne®	100	100	100	100	37	80		3
⚡	LightNing® SacII	EG15605S	CCGC/GG	CutOne®	100	100	100	100	37	80	CpG	1
⚡	LightNing® SalI	EG15566S	G/TCGAC	CutOne®	100	100	100	100	37	80	CpG	3
⚡	LightNing® SbfI	EG15568S	CCTGCA/GG	CutOne®	100	100	100	100	37	80		2
⚡	LightNing® ScaI	EG24502S	AGT/ACT	CutOne®	100	100	100	100	37	80	EB	2
⚡	LightNing® SfiI	EG15570S	GGCCNNNN/NGGCC	CutOne®	100	100	100	100	50	No	CpG Dcm	1
⚡	LightNing® SmaI	EG15572S	CCC/GGG	CutOne®	100	100	100	100	25	80	CpG	1
⚡	LightNing® SpeI	EG15574S	A/CTAGT	CutOne®	100	100	100	100	37	80	EB EK	2
⚡	LightNing® SphI	EG15575S	GCATG/C	CutOne®	100	100	100	100	37	80	EB	1
⚡	LightNing® SspI	EG15576S	AAT/ATT	CutOne®	100	50	100	100	37	80		2
⚡	LightNing® StuI	EG15577S	AGG/CCT	CutOne®	100	100	100	100	37	80	Dcm	1
⚡	LightNing® TaqI	EG15580S	T/CGA	CutOne®	100	100	100	100	65	No	Dam	Not Determined
⚡	LightNing® XbaI	EG15581S	T/CTAGA	CutOne®	100	50	100	100	37	80	Dam	2
⚡	LightNing® XcmI	EG15582S	CCANNNNN/NNNNTGG	CutOne®	100	50	100	25~50	37	80		Not Determined
⚡	LightNing® XhoI	EG15583S	C/TCGAG	CutOne®	100	100	100	100	37	80	CpG	4
	BsmBI	EG22507S	CGTCTC(1/5)	HN Buffer	专用缓冲液，不兼容其他				55	80	CpG EB	Not Determined
	BspQI	EG23503S	GCTCTTC(1/4)	HN Buffer	专用缓冲液，不兼容其他				50	80		Not Determined
	SgeI	EG21501S	m^{5}CNNG(9/13)	SgeI Buffer	专用缓冲液，不兼容其他				37	80		Not Determined
	EcoRI, ADCF	EG22504S	G/AATTC	CutOne® Buffer, ADCF	专用缓冲液，不兼容其他				37	80	CpG	5
	Esp3I(BsmBI), ADCF	EG21504H	CGTCTC(1/5)	Esp3I Buffer, ADCF	专用缓冲液，不兼容其他				37	80	CpG	1
GMP	BsaI, GMP Grade	GMP501S	GGTCTC(1/5)	Cut Buffer F, GMP Grade	专用缓冲液，不兼容其他				37	80	Dcm CpG	1
GMP	XbaI, GMP Grade	GMP502S	T/CTAGA	CutOne® Buffer,GMP Grade	专用缓冲液，不兼容其他				37	80	Dam	2
GMP	XhoI, GMP Grade	GMP504S	C/TCGAG	Cut Buffer F, GMP Grade	专用缓冲液，不兼容其他				37	80	CpG	4
	Nt.BspQI	EG23512S	GCTCTTC(1/none)	Cut Buffer C	专用缓冲液，不兼容其他				50	80		Not Determined
	Nb.BsrDI	EG23514S	GCAATG(none/0)	CutOne® Buffer	专用缓冲液，不兼容其他				65	80		Not Determined

⚡ 15 分钟快切　CpG 受 CpG 甲基化影响　EB 受 EcoBI 甲基化影响　不含动物源性相关组分　EPI 可用于表观遗传学分析

EK 受 EcoKI 甲基化影响　Dcm 受 Dcm 甲基化影响　Dam 受 Dam 甲基化影响　GMP 生产过程符合 GMP 规范

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