

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 (°C)	热失活温度 (°C)	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® AatII	EG25511S	GACGT/C	CutOne®	100	< 25	100	< 25	37	80		Not Determined
LightNing® AccI	EG15502S	GT/MKAC	CutOne®	100	< 10	100	< 10	37	80		13
LightNing® Acil	EG25501V/S	C/CGC	CutOne®	100	100	100	100	37	80		5
LightNing® AfeI	EG26501V/S	AGC/GCT	CutOne®	100	75	100	100	37	80		Not Determined
LightNing® AflII	EG24520S	C/TTAAG	CutOne®	100	75	100	100	37	80		Not Determined
LightNing® AgeI	EG23501S	A/CCGGT	CutOne®	100	50	100	50	37	80		1
LightNing® ApaI	EG25502S	GGGCC/C	CutOne®	100	<12.5	100	<12.5	37	80		1
LightNing® ApaLI	EG15601S	G/TGCAC	CutOne®	100	75	100	100	37	80		Not Determined
LightNing® AluI	EG24509S	AG/CT	CutOne®	100	100	100	100	37	80		2
LightNing® Ascl	EG15508S	GG/CCGCGC	CutOne®	100	100	100	100	37	80		0
LightNing® AseI	EG25503S	AT/TAAT	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® Aval	EG26503S	C/YCGRG	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® AvaII	EG25509S	G/WCC	CutOne®	100	100	100	100	37	80		Not Determined
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® BbsI	EG24512S	GAAGAC(2/6)	CutOne®	100	≤10	100	25	37	80		1
LightNing® BclI	EG15513S	T/GATCA	CutOne®	100	100	100	100	37	80		3
LightNing® BglI	EG24507S	GCCNNNN/NGGC	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® BglII	EG15591S	A/GATCT	CutOne®	100	100	100	50	37	No		2
LightNing® BsaI	EG15518S	GGTCTC(1/5)	CutOne®	100	100	100	100	37	80		1
LightNing® Bsh1236I (BstUI)	EG25515S	CG/CG	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® BsmBI v2	EG26504V/S	CGTCTC(1/5)	CutOne®	100	75	100	100	37	80		Not Determined
LightNing® BsmI	EG25507S	GAATGC(1/-1)	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® BspHI	EG25512S	T/CATGA	CutOne®	100	100	100	100	37	80		Not Determined
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		Not Determined
LightNing® BstEII	EG15528S	G/GTNACC	CutOne®	100	75	100	75	37	80		Not Determined
LightNing® Cfr42I (SaclI)	EG25508S	CCGC/GG	CutOne®	100	<12.5	100	<12.5	37	80		Not Determined
LightNing® ClaI	EG15532S	AT/CGAT	CutOne®	100	100	100	100	37	80		4
LightNing® DdeI	EG24501S	C/TNAG	CutOne®	100	50	100	50	37	80		1
LightNing® DpnI	EG15585S	GA ^{m6} /TC	CutOne®	100	100	100	100	37	80		2
LightNing® DpnII	EG15533S	/GATC	CutOne®	100	75	100	75	37	80		Not Determined
LightNing® DraI	EG23502S	TTT/AAA	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® DraIII	EG24508S	CACNNN/GTG	CutOne®	100	100	100	100	37	No		1
LightNing® EagI	EG15535S	C/GGCCG	CutOne®	100	100	100	100	37	80		2
LightNing® EarI	EG23511S	CTCTC(1/4)	CutOne®	100	12.5	100	25	37	80		Not Determined
LightNing® EcoRI	EG15536S	G/AATC	CutOne®	100	100	100	100	37	80		5
LightNing® EcoRV	EG15537S	GAT/ATC	CutOne®	100	100	100	100	37	80		5
LightNing® Esp3I (BsmBI)	EG21503S	CGTCTC(1/5)	CutOne®	100	100	100	100	37	80		1
LightNing® FokI	EG24523S	GGATG(9/13)	CutOne®	100	50	100	50	37	80		Not Determined
LightNing® FspI	EG15586S	TGC/GCA	CutOne®	100	100	100	100	37	No		Not Determined
LightNing® HaeIII	EG23509S	GG/CC	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® HhaI	EG24510S	GCG/C	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® HindIII	EG15539S	A/AGCTT	CutOne®	100	75	100	100	37	80		3
LightNing® HinfI	EG15593S	G/ANTC	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® HinPI	EG24511S	G/CGC	CutOne®	100	75	100	75	37	80		Not Determined
LightNing® HpaI	EG15541S	GTT/AAC	CutOne®	100	100	100	50	37	80		1
LightNing® HpaII	EG23507S	C/CGG	CutOne®	100	< 25	100	< 25	37	80		Not Determined
LightNing® KasI	EG15543S	G/GGCC	CutOne®	100	100	100	100	37	80		1
LightNing® KpnI	EG15544S	GGTAC/C	CutOne®	100	100	100	100	37	No		2
LightNing® MboI	EG24522S	/GATC	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® MluI	EG15547S	A/CGCGT	CutOne®	100	75	100	100	37	80		3
LightNing® MnlI	EG15548S	CCTC(7/6)	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® MscI	EG25505S	TGG/CCA	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® MseI	EG24518S	T/TAA	CutOne®	100	25	100	25	37	80		1
LightNing® MspI	EG23508S	C/CGG	CutOne®	100	25	100	25	37	No		Not Determined
LightNing® MspI (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		3
LightNing® NotI	EG15553S	GC/GGCCGC	CutOne®	100	100	100	100	37	80		4
LightNing® NruI	EG15602S	TCG/CGA	CutOne®	100	100	100	100	37	No		Not Determined
LightNing® NsiI	EG15606S	ATGCA/T	CutOne®	100	100	100	100	37	80		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		1
LightNing® PmlI	EG25510S	CAC/GTG	CutOne®	100	<12.5	100	<12.5	37	80		Not Determined
LightNing® PpuMI	EG26506S	RG/GWCCY	CutOne®	100	75	100	100	37	80		Not Determined
LightNing® PspGI (EcoRII)	EG15560S	/CCWGG	CutOne®	100	100	100	50	75	No		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		1
LightNing® PvuII	EG15604S	CAG/CTG	CutOne®	100	100	100	100	37	No		4
LightNing® RsaI	EG24503S	GT/AC	CutOne®	100	25	100	25	37	No		2
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		1
LightNing® Sall	EG15566S	G/TGCAC	CutOne®	100	100	100	100	37	80		3
LightNing® SapI	EG25524S	GCTCTTC(1/4)	CutOne®	100	25	100	25	37	80		1
LightNing® SbfI	EG15568S	CCTGCA/GG	CutOne®	100	100	100	100	37	80		2
LightNing® Scal	EG24502S	AGT/ACT	CutOne®	100	100	100	100	37	80		2
LightNing® SdaI (Sbfl)	EG24515S	CCTGCA/GG	CutOne®	100	< 12.5	100	12.5	37	80		Not Determined
LightNing® SfiI	EG15570S	GGCCNNNN/NGGCC	CutOne®	100	100	100	100	50	No		1
LightNing® SmaI	EG15572S	CCG/GGG	CutOne®	100	100	100	100	25	80		1
LightNing® SnaBI	EG24521S	TAC/GTA	CutOne®	100	50	100	50	37	80		Not Determined
LightNing® SpeI	EG15574S	A/CTAGT	CutOne®	100	100	100	100	37	80		2
LightNing® SphI	EG15575S	GCATG/C	CutOne®	100	100	100	100	37	80		1
LightNing® SspI	EG15576S	AAT/ATT	CutOne®	100	50	100	100	37	80		2
LightNing® Stul	EG15577S	AGG/CCT	CutOne®	100	100	100	100	37	80		1
LightNing® TaqI	EG15580S	T/CGA	CutOne®	100	100	100	100	65	No		Not Determined
LightNing® TseI (ApeKI)	EG26505S	G/CWGC	CutOne®	100	100	100	100	37	80		Not Determined
LightNing® Tsp45I	EG24517S	/GTSAC	CutOne®	100	12.5	100	25	65	No		Not Determined
LightNing® XbaI	EG15581S	T/CTAGA	CutOne®	100	50	100	100	37	80		2
LightNing® XcmI	EG15582S	CCANNNN/NNNTGG	CutOne®	100	50	100	25~50	37	80		Not Determined
LightNing® XhoI	EG15583S	C/TCGAG	CutOne®	100	100	100	100	37	80		4
AarI	EG25526S	CACCTGC(4/8)	CutOne®	100	<12.5	100	<12.5	37	80		Not Determined
ApeKI	EG25519S	G/CWGC	Cut Buffer C	12.5	50	12.5	25	75	No		Not Determined
BbvCI	EG25516S	CC/TCAGC	CutOne®	100	100	100	100	37	80		Not Determined
BpiI (BbsI)	EG25525S	GAAGAC(2/6)	CutOne®	100	25	100	50	37	80		Not Determined
BsiWI	EG24506S	C/GTACG	Cut Buffer C					55	80		2
BsmBI	EG22507S	CGTCTC(1/5)	Cut Buffer C					55	80		Not Determined
BspEI	EG25528S	T/CCGGA	Cut Buffer C	< 10	50	< 10	50	37	80		Not Determined
BspQI	EG23503S	GCTCTTC(1/4)	Cut Buffer C					50	80		Not Determined
BsrDI	EG25506S	GCAATG (2/0)	Cut Buffer B	50	100	50	100	37	80		Not Determined
BstXI	EG24516S	CCANNNN/NTGG	Cut Buffer C	25	100	25	100	37	80		Not Determined
PciI	EG25514S	A/CATGT	Cut Buffer C	50	< 12.5	50	< 12.5	37	80		1
SgeI	EG21501S	^{m5} CNNG(9/13)	SgeI Buffer					37	80		Not Determined
SgrAI	EG25513S	CR/CCGGYG	C								