



## pBADM-20(+)

### RBS

CGCAACTCTCTACTGTTTCTCCATACCCGTTTTTTGGGCTAACAGGAGGAATTAACCATG  
CGGTTGAGAGATGACAAAGAGGTATGGGCAAAAACCCGATTGTCCTCCTTAATTGGTAC  
MET

AGCGATAAAATTATTAC...**294bp**...GCTAACCTGGCCGGTTCTGGTTCTGGCCAT  
TCGCTATTTTAATAAGTG...**TrxA**...CGATTGGACCGCCAAGACCAAGACCGGTA  
SerAspLysIleIleHis...**98aa**...AlaAsnLeuAlaGlySerGlySerGlyHis

### His-tag

### TEV-site

NcoI

ATGCACCATCATCATCATCTTCTGGTGAGAATCTTTATTTTCAG GCGCCATGGAC  
TACGTGGTAGTAGTAGTAAGAAGACCACTCTTAGAAATAAAAGTC CCGCGGTACCGA  
MetHisHisHisHisHisHisSerSerGlyGluAsnLeuTyrPheGln|GlyAla**MET**Asp

NotI

EagI

KpnI

EcoRI

SacI

SalI

HindIII

XhoI

**TAATGA**GGTACCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGC GGCCGCACTCGAGAG  
ATTACTCCATGGCCTAGGCTTAAGCTCGAGGCAGCTGTTTGAACGCCGGCGTGTGCTCTC  
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### Single Cutter Listed by Site Order

74	PinAI	716	BbeI	768	Eco52I	2093	Eam1105I
74	AgeI	730	Asp718I	768	NotI	2572	AlwNI
77	BstEII	730	Acc65I	768	XmaIII	3237	Tth111I
97	BsmI	734	KpnI	776	XhoI	3426	SphI
135	MluI	742	EcoRI	778	SciI	3428	NsiI
418	CspI	750	EcoICRI	938	RleAI	3720	AflII
500	ClaI	750	Ecl136II	1612	ScaI	3805	EcoRV
659	MscI	752	SstI	1724	PvuI	4127	NruI
659	BalI	752	SacI	1724	XorII	4127	SpoI
713	NarI	755	SalI	1870	MstI	4134	AccIII
714	EheI	761	HindIII	1918	VspI	4134	BspMII
716	NcoI	768	EagI	1975	BglI	4339	PflMI

### Non Cutting Enzymes

AatII	ApaI	AscI	AsuII	AvrII	BbvII
BclI	BglII	Bpu1102I	Bsc91I	Bsp1407I	BspMI
BstXI	Bsu36I	Csp45I	CvnI	DraIII	Eco47III
Eco56I	Eco72I	EcoNI	EspI	FseI	HpaI
I-PpoI	Mlu113I	MstII	NaeI	NheI	PacI
PmaCI	PmeI	PstI	PvuII	SacII	SauI
SfiI	SgrAI	SmaI	SnaBI	SpeI	SplI
SrfI	SstII	StuI	SunI	SwaI	XbaI
XcmI	XmaI				