



pETM-10

T7 promoter --> Lac operator XbaI
CGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAA
GCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTT

rbs His-tag
TAATTTTGTTTAACTTTAAGAAGGAGATATACC**ATG**AAACATCACCATCACCATCACCCC
ATTAAAACAAATTGAAATTCTTCCTCTATATGGTACTTTGTAGTGGTAGTGGTAGTGGGG
METLysHisHisHisHisHisHisPro

NcoI
ATGGCTGACACCGACACTGCCGAG..171bp..GCACTCTACGGGGAGAGCGATCTGTGA
TACCGACTGTGGCTGTGACGGCTC...**EFH**...CGTGAGATGCCCTCTCGCTAGACACT
METAlaAspThrAspThrAlaGlu...57aa..AlaLeuTyrGlyGluSerAspLeu***

NotI
EagI
BamHI SacI
KpnI EcoRI Sali HindIII XhoI C-His-tag
GGTACCGGATCCGAATTCGAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGCACCACCAC
CCATGGCCTAGGCTTAAGCTCGAGGCAGCTGTTCGAACGCCGGCGTGAGCTCGTGGTGGTG
HisHisHis

Single Cutters Listed by Site Order

80	EspI	190	SstI	757	SphI	3556	BsiI
80	Bpu1102I	190	SacI	966	ApaBI	3799	AlwNI
158	XhoI	192	EcoRI	1282	MluI	3931	Eco57I
160	SciI	204	Acc65I	1296	BclI	4242	NruI
166	EagI	204	Asp718I	1463	BstEII	4242	SpoI
166	XmaIII	208	KpnI	1693	BssHII	4276	ClaI
166	Eco52I	313	ScaI	1732	EcoRV	4457	XmaI
166	NotI	412	BspMI	1788	HpaI	4459	SmaI
173	HindIII	428	NcoI	2346	BglI	4585	XorII
179	Sali	494	XbaI	2364	MstI	4585	PvuI
188	Ecl136II	560	BglII	3128	Tth111I	5286	DraIII
188	EcoICRI	601	SgrAI	3267	SapI		

Non Cutting Enzymes

AatII	AflIII	AgeI	AhaIII	AscI	AsuII
AvrII	Bali	Bsp1407I	Bsu36I	Csp45I	CspI
CvnI	DraI	Eam1105I	Eco31I	Eco72I	FseI
I-PpoI	MfeI	Mlu113I	MscI	MstII	NdeI
NheI	PacI	PinAI	PmaCI	PmeI	PstI
RleAI	SacII	SauI	SfiI	SnaBI	SpeI
SplI	SrfI	SstII	StuI	SunI	SwaI