



pETG-50K

T7 promoter --> Lac operator XbaI
GAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAAT
CTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTAAAGGGGAGATCTTTA

 rbs
AATTTTGTTTAACTTTAAGAAGGAGATATACATATGAAAAAGATTTGGCTGGCGCTGGCT
TTAAAACAAATTGAAATTCTTCCTCTATATGTATACTTTTTCTAAACCGACCGCATGCGA
METLysLysIleTrpLeuAlaTyrAla

His-tag KpnI
GGT..591bp..AAAGGATCAACTAGTGGTTCTGGTCATCACCATCACCATCACGGTACC
CCA...DsbA..TTTCTAGTTGATCACCAAGACCAGTAGTGGTAGTGGTAGTGAGGCGC
Gly..197aa..LysGlySerThrSerGlySerGlyHisHisHisHisHisHisGlyThr

 attR1 -->
ATGACAAGTTTGTACAAAAAAGCTGAACGAGAAACGTAAAATGATATAAATATCAATATA
TACTGTTCAAACATGTTTTCGACTTGCTCTTTGCATTTTACTATATTTATAGTTATAT
MetThrSerLeuTyrLysLysAlaGluArgGluThr***

TTAAATTAGATTTTGCATAAA.....1574bp.....TTGATATTTATATCATTTTAC
AATTTAATCTAAAACGTATTT...Cam®....ccdB...AACTATAAATATAGTAAAATG

<-- attR2 His-tag
GTTTCTCGTTCAGCTTTCTTGACAAAGTGGTGACTCGAGCACCACCACCACCACCCTG
CAAAGAGCAAGTCGAAAGAACATGTTTCACCACTGAGCTCGTGGTGGTGGTGGTGGTGAC

Single Cutters Listed by Site Order

158	XhoI	1739	NotI	2439	PinAI	5213	Tth111I
160	SciI	1739	EagI	2541	NdeI	5352	SapI
291	SalI	1874	Asp718I	2579	XbaI	5641	BsiI
410	Eco31I	1874	Acc65I	2686	SgrAI	6016	Eco57I
552	SrfI	1878	KpnI	2842	SphI	6327	SpoI
1006	ScaI	1907	SpeI	3051	ApaBI	6327	NruI
1118	NcoI	1929	AflIII	3381	BclI	6361	ClaI
1419	EcoRI	2045	MfeI	3578	ApaI	6670	XorII
1739	Eco52I	2428	AscI	4431	BglI	6670	PvuI
1739	XmaIII	2439	AgeI	4449	MstI	7371	DraIII

Non Cutting Enzymes

AatII	AsuII	AvrII	Bsu36I	Csp45I	CspI
CvnI	Eam1105I	Ecl136II	Eco72I	EcoICRI	FseI
HindIII	I-PpoI	Mlu113I	MstII	NheI	PacI
PmaCI	PmeI	RleAI	SacI	SacII	SauI
SfiI	SnaBI	SplI	SstI	SstII	StuI
SunI	SwaI				