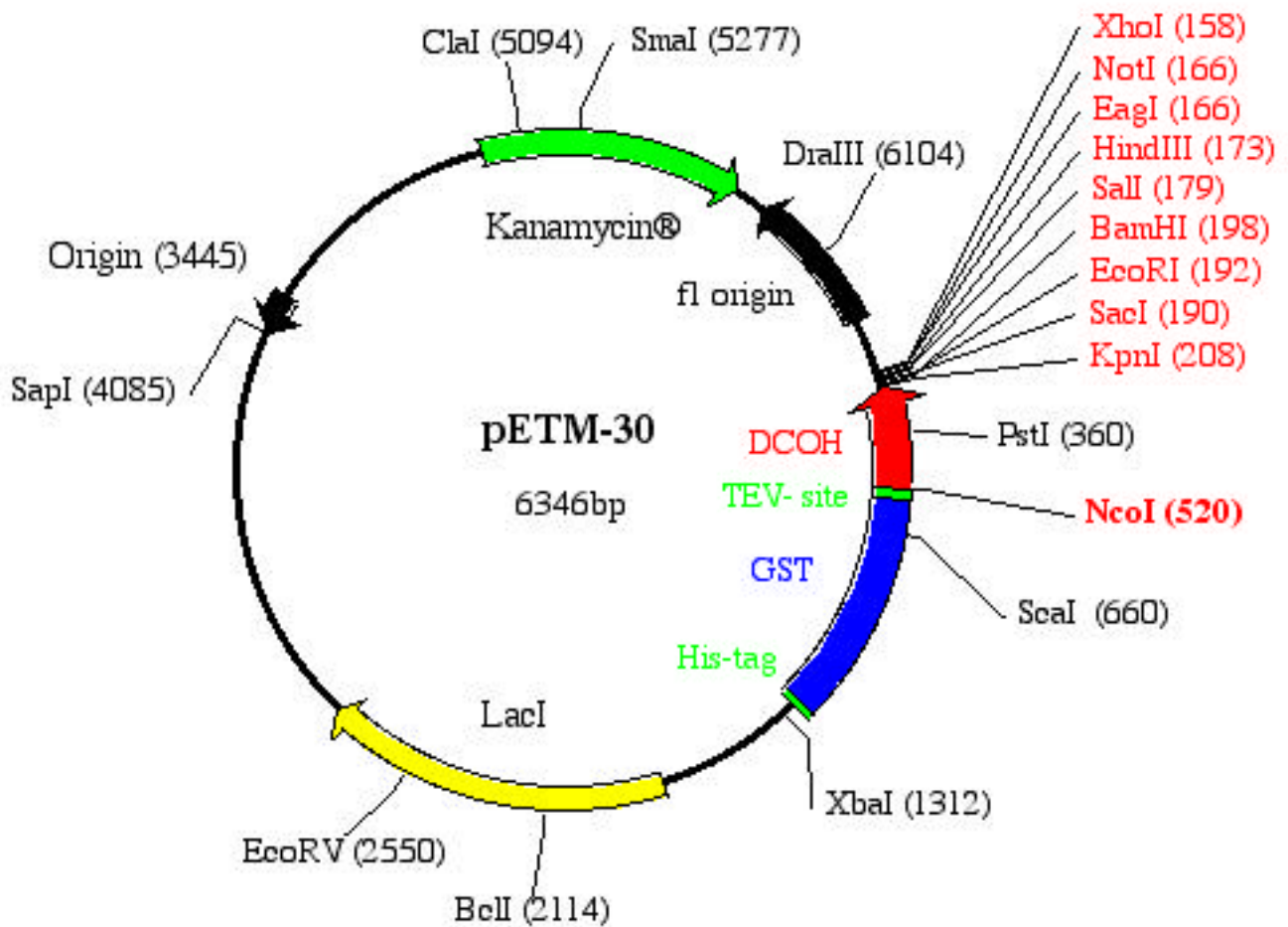


EMBL Protein Expression and Purification Facility



pETM-30

T7 promoter --> Lac operator XbaI
CGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTTCCCTCTAGAAATAATTT
GCTTTAATTATGCTGAGTGATATCCCTTAACTCGCCTATTGTTAAGGGGAGATCTTTATTAAA

rhs His-tag
TGTTTAACTTTAAGAAGGAGATATACCATGAAACATCACCATCACCATCACAACACTAGTAGCAAT
ACAAATTGAAATTCTTCTCTATATGGTACTTTGTAGTGGTAGTGGTAGTGTGTGATCATCGTTA
METLysHisHisHisHisHisHisAsnThrSerSerAsn

TTCATGTCC.. **633bp**..GACCATCCTCCA ACTAGTGGATCTGGTGGTGGTGGCGGATGGATGAGC
AAGTACAGG... **GST**...CTGGTAGGAGGTTGATCACCTAGACCACCACCACCGCCTACCTACTCG
PheMetSer.. **211aa**..AspHisProProThrSerGlySerGlyGlyGlyGlyGlyTrpMetSer

TEV-site NcoI
GAGAATCTTTATTTTTCAG GCGGCC**ATG**GCTGGCAAGCACACA.. **279bp**..GCCGTGTCTATGACA
CTCTTAGAAATAAAAGTC CCGCGGTACCGACCGTTCGTGTGT... **DCOH**..CGGCACAGATACTGT
GluAsnLeuTyrPheGln|GlyAla**MET**AlaGlyLysHisThr... **93aa**..AlaValSerMetThr

BamHI SacI NotI
EagI
KpnI EcoRI SalI HindIII XhoI C-His-tag
TAGGTACCGGATCCGAATTCGAGCTCCGTTCGACAAGCTTGC GCGCCGCACTCGAGCACCACCACCAC
ATCCATGGCCTAGGCTTAAGCTCGAGGCAGCTGTTTCGAACGCCGGCGTGAGCTCGTGGTGGTGGTG

Single Cutters Listed by Site Order

80	EspI	190	SstI	834	AsuII	3182	MstI
80	Bpu1102I	192	EcoRI	834	Csp45I	3946	Tth111I
158	XhoI	198	BamHI	1312	XbaI	4374	BsiI
160	SciI	204	Acc65I	1378	BglII	4749	Eco57I
166	NotI	204	Asp718I	1419	SgrAI	5060	NruI
166	XmaIII	208	KpnI	1575	SphI	5060	SpoI
166	Eco52I	313	Bsp1407I	1784	ApaBI	5094	ClaI
166	EagI	360	PstI	2100	MluI	5275	XmaI
173	HindIII	454	BspMI	2281	BstEII	5277	SmaI
179	SalI	520	NcoI	2311	ApaI	5403	XorII
188	EcoICRI	660	ScaI	2511	BssHII	5403	PvuI
188	Ec1136II	662	RleAI	2550	EcoRV	6104	DraIII
190	SacI	806	SwaI	2606	HpaI		

Non Cutting Enzymes

AatII	AflII	AgeI	AscI	AvrII	Bsu36I	CspI
CvnI	Eam1105I	Eco31I	Eco72I	FseI	I-PpoI	MfeI
Mlu113I	MstII	NdeI	NheI	PacI	PinAI	PmaCI
PmeI	SacII	SauI	SfiI	SnaBI	SplI	SrfI
SstII	StuI	SunI				