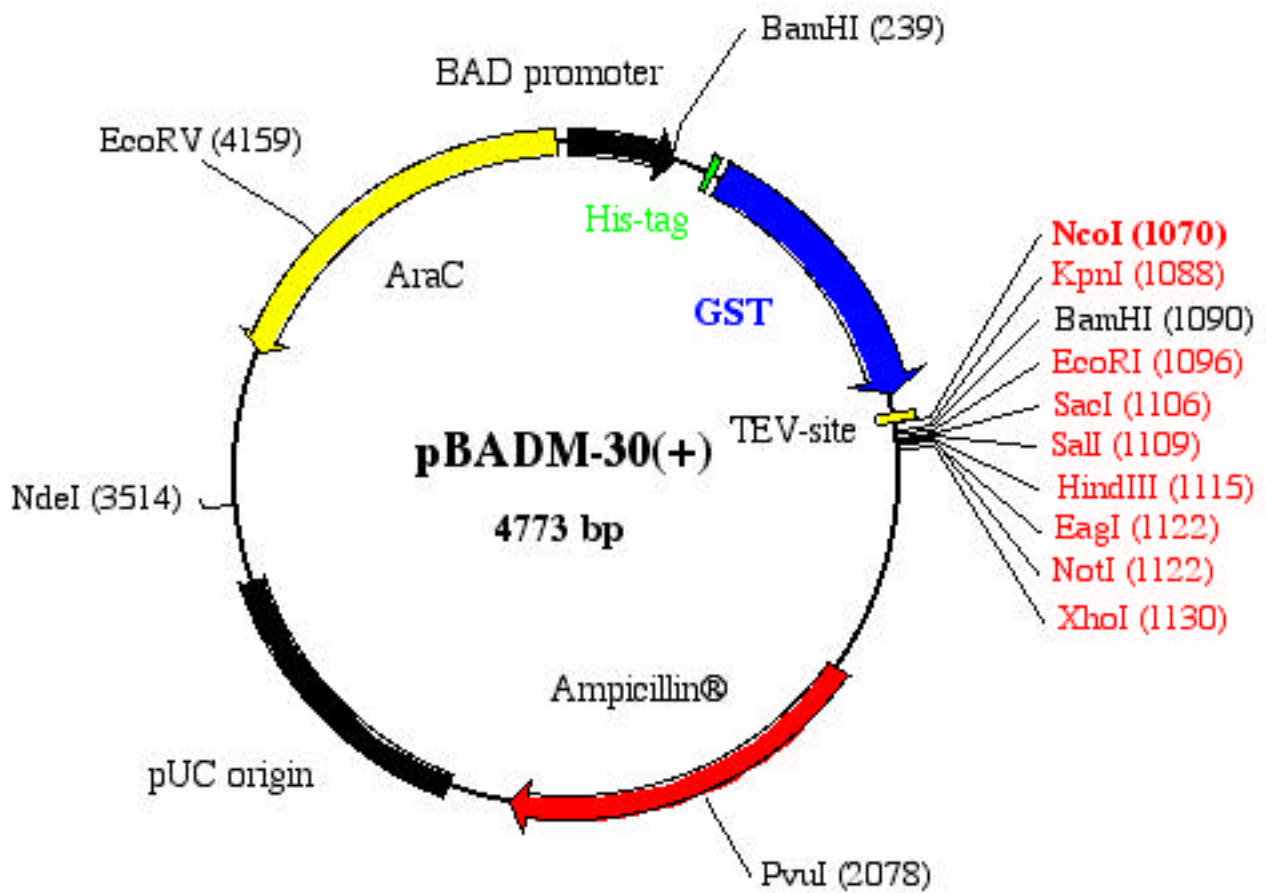


EMBL Protein Expression and Purification Facility



pBADM-30(+)

RBS

GCTTTTTATCGCAACTCTCTACTGTTTCTCCATACCCGTTTTTTGGGCTAACAGGAGGAA
CGAAAAATAGCGTTGAGAGATGACAAAGAGGTATGGGCAAAAACCCGATTGTCTCCTT

His-tag

TTAACCATGAAACATCACCATCACCATCACAACACTAGTAGCAATTCCATGTCCCCTATA
AATTGGTACTTTGTAGTGGTAGTGGTAGTGTGTGATCATCGTTAAGGTACAGGGGATAT
METLysHisHisHisHisHisHisAsnThrSerSerAsnPheMetSerProIle

CTAGGTTATTGG.. **615bp**..GCCGACCATCCTCCAACACTAGTGGATCTGGTGGTGGTGGC
GATCCAATAACC... **GST**...CGGCTGGTAGGAGGTTGATCACCTAGACCACCACCACCG
LeuGlyTyrTrp.. **205aa**..AlaAspHisProProThrSerGlySerGlyGlyGlyGly

Tev-site

GGATCCATGAGCGAGAATCTTTATTTTCAG GCGGCC**ATGGACTAATG**AGGTACCGGATC
AATAGGTACTCGCTCTTAGAAATAAAAGTC CCGCGGTACCTGATTACTCCATGGCCTAG
GlySerMetSerGluAsnLeuTyrPheGln | GlyAla**MET**Asp*****

NcoI

KpnI

NotI

SacI

EagI

EcoRI

SalI HindIII

XhoI

CGAATTCGAGCTCCGTCGACAAGCTTGCGGCCGCACTCGAGAGCTTGGCTGTTTTGGCGG
GCTTAAGCTCGAGGCAGCTGTTTGAACGCCGCGGTGAGCTCTCGAACCGACAAAACCGGA

Single Cutters Listed by Site Order

74	PinAI	1068	EheI	1115	HindIII	2447	Eam1105I
74	AgeI	1070	NcoI	1122	XmaIII	2926	AlwNI
77	BstEII	1070	BbeI	1122	Eco52I	3514	NdeI
97	BsmI	1084	Acc65I	1122	EagI	3591	Tth111I
135	MluI	1084	Asp718I	1122	NotI	3780	SphI
371	EcoNI	1088	KpnI	1130	XhoI	3782	NsiI
568	BalI	1096	EcoRI	1132	SciI	4074	AflII
568	MscI	1104	EcoICRI	2078	PvuI	4159	EcoRV
758	AsuII	1104	Ecl136II	2078	XorII	4481	NruI
758	Csp45I	1106	SacI	2224	MstI	4481	SpoI
788	SwaI	1106	SstI	2272	VspI	4488	BspMII
795	BclI	1109	SalI	2329	BglI	4488	AccIII
1067	NarI						

Non Cutting Enzymes

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