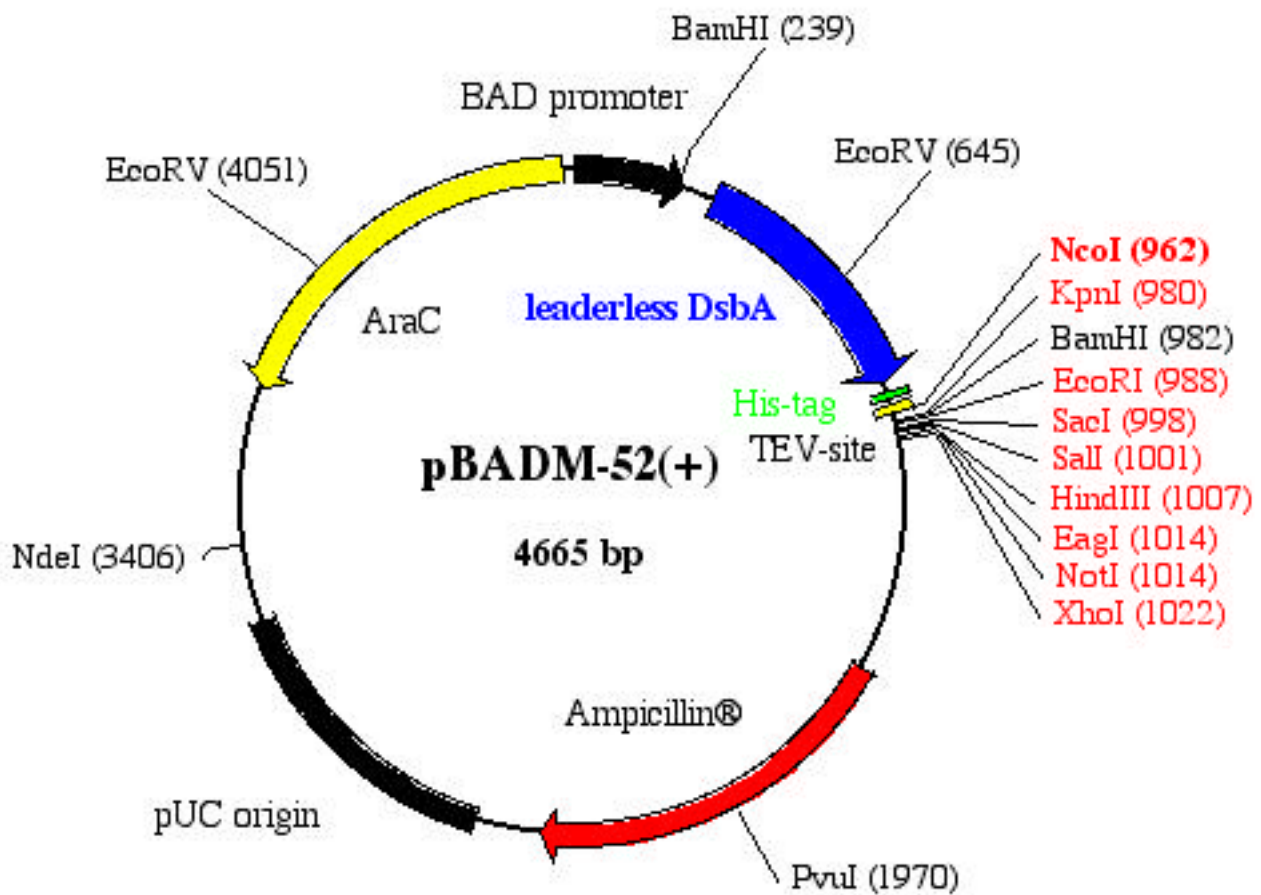


## EMBL Protein Expression and Purification Facility



## pBADM-52(+)

### RBS

ACGCTTTTTATCGCAACTCTCTACTGTTTCTCCATACCCGTTTTTTGGGCTAACAGGAGG  
TGCGAAAAATAGCGTTGAGAGATGACAAAGAGGTATGGGCAAAAAACCCGATTGTCCTCC

AATTAACC**ATG**AAGCGCAGTATGAAGATGGTAAA.....**528bp**.....TACTTA  
TTAATTGGTACTTTTCGCGTCATACTTCTACCATTT..**leaderless Dsba**..ATGAAT  
**MET**LysAlaGlnTyrGluAspGlyLys.....**176aa**.....TyrLeu

### His-tag

AGCGAGAAAAAAGGATCAACTAGTGGTCTGGTTCATCACCATCACCATCACTCCGCGGGT  
TCGCTCTTTTTTCCTAGTTGATCACCAAGACCAGTAGTGGTAGTGGTAGTGAGGCGCCCA

TEV-site NcoI KpnI EcoRI SacI  
GAGAATCTTTATTTTCAG GCGCC**ATGGAC****TAATGA**GGTACCGGATCCGAATTCGAGCTC  
CTCTTAGAAATAAAAGTC CCGCGGTACCTGATTACTCCATGGCCTAGGCTTAAGCTCGAG  
GluAsnLeuTyrPheGln | GlyAla**MET**Aap\*\*\*\*\*

NotI

EagI

SalI HindIII

XhoI

CGTCGACAAGCTTGC GGCCGCACTCGAGAGCTTGGCTGTTTTGGCGGATGAGAGAAGATT  
GCAGCTGTTCGAACGCCGGCGTGAGCTCTCGAACCGACAAAACCGCCTACTCTCTTCTAA

### Single Cutters Listed by Site Order

97	BsmI	935	SacII	1001	SalI	2164	VspI
135	MluI	935	SstII	1007	HindIII	2221	BglI
377	AscI	959	NarI	1014	EagI	2339	Eam1105I
534	BglII	960	EheI	1014	NotI	2818	AlwNI
584	Bsc91I	962	BbeI	1014	XmaIII	3406	NdeI
584	BbvII	962	NcoI	1014	Eco52I	3483	Tth111I
658	BspMI	976	Asp718I	1022	XhoI	3672	SphI
731	Bpu1102I	976	Acc65I	1024	SciI	3674	NsiI
731	EspI	980	KpnI	1184	RleAI	4373	NruI
750	PstI	988	EcoRI	1858	ScaI	4373	SpoI
789	HpaI	996	Ecl136II	1970	PvuI	4380	AccIII
834	BstXI	996	EcoICRI	1970	XorII	4380	BspMII
898	SpeI	998	SstI	2116	MstI	4585	PflMI
933	Mlu113I	998	SacI				

### Non Cutting Enzymes

AatII	ApaI	AsuII	AvrII	BalI	BclI
Bsp1407I	Bsu36I	ClaI	Csp45I	CspI	CvnI
DraIII	Eco47III	Eco56I	Eco72I	EcoNI	FseI
I-PpoI	MscI	MstII	NaeI	NheI	PacI
PmaCI	PmeI	SauI	SfiI	SgrAI	SmaI
SnaBI	SplI	SrfI	StuI	SunI	SwaI
XbaI	XcmI	XmaI			