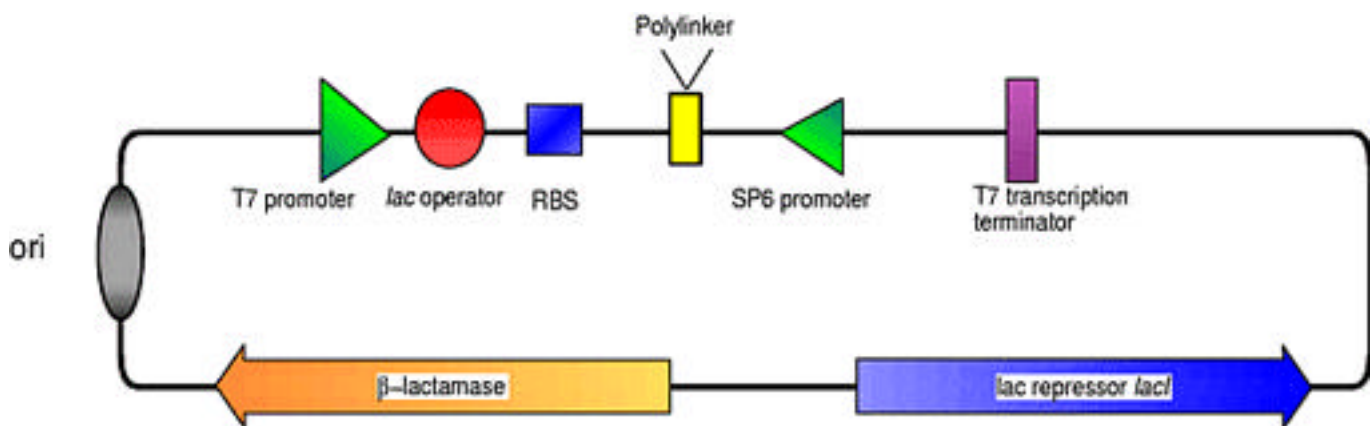


pBAT5 expression vector



Features

T7 promoter
 Lac operator
 T7 gene 10 ribosome binding site
 Polylinker
 SP6 promoter
 T7 transcription terminator
 LacI gene
 -Lactamase gene
 Origin of replication

position

1-17
 21-42
 50-80
 80-120
 125-143
 222-263
 683-1754 (reversed)
 2524-3374
 3449-4142

Reference:

Peränen J., Rikkonen M., Hyvönen M. & Kääriäinen L. (1996) T7 vectors with modified T7lac promoter for expression of proteins in *Escherichia coli*. *Anal. Biochem.* **236**, 371-373.

pBAT5

T7 promoter --> Lac operator XbaI
TAATACGACTCACTATAGGGAATTGTGAGCGGATAACAATTCCTCTAGAAATAATTTTGT
ATTATGCTGAGTGATATCCCTTAACACTCGCCTATTGTTAAGGAGATCTTTATTAACAACA

rbs SnaBI BglII SalI NotI NsiI HindIII
TTAACTTTAAGAAGGAGATATACGTACAGATCTGTGACGCGGCCGCATGCATAAGCTTG
AATTGAAATTCTTCTCTATATGCATGTCTAGACAGCTGCGCCGGCGTACGTATTTCGAAC

<-- SP6 promoter
AGTATTCTATAGTGTACCTAAATCCCAGCTTGATCCGGCTGCTAACAAAGCCCGAAAGG
TCATAAGATATCACAGTGGATTTAGGGTCTGAAGTACGATTGTTTCGGGCTTTCC

Single Cutters Listed by Site Order

44	XbaI	205	EspI	1218	BstEII	1955	Eco56I
83	SnaBI	282	AccIII	1386	BclI	1957	NaeI
88	BglII	282	BspMII	1400	MluI	2137	NdeI
94	SalI	591	BspMI	1825	PflMI	2392	AatII
101	XmaIII	602	PstI	1835	Acc65I	2711	XmnI
101	NotI	762	NarI	1835	Asp718I	2830	ScaI
101	EagI	763	EheI	1839	KpnI	3245	Eco31I
101	Eco52I	765	BbeI	1843	Ecl136II	3311	Eam1105I
112	NsiI	954	EcoRV	1843	EcoICRI	3790	AlwNI
114	HindIII	989	BssHII	1845	SacI	4316	SapI
205	Bpu1102I	1197	ApaI	1845	SstI		

Non Cutting Enzymes

AflII	AgeI	AscI	AsuII	AvrII	BalI
BamHI	BsmI	Bsp1407I	Bsu36I	ClaI	Csp45I
CspI	CvnI	DraIII	Eco47III	Eco72I	EcoNI
EcoRI	FseI	HpaI	I-PpoI	MfeI	Mlu113I
MscI	MstII	NcoI	NheI	NruI	PacI
PinAI	PmaCI	PmeI	RleAI	SacII	SauI
SciI	SfiI	SgrAI	SmaI	SpeI	SplI
SpoI	SrfI	SstII	StuI	SunI	SwaI
Tth111I	XhoI	XmaI			