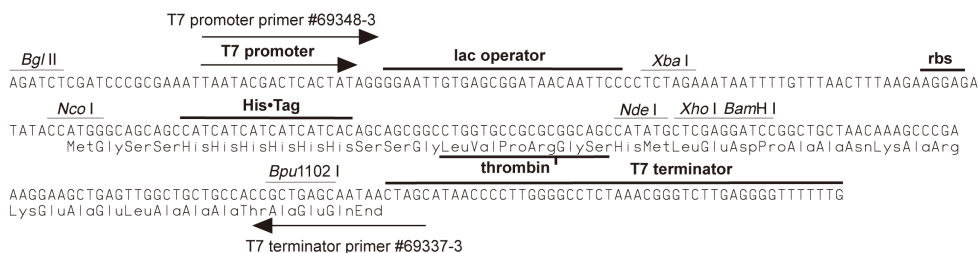
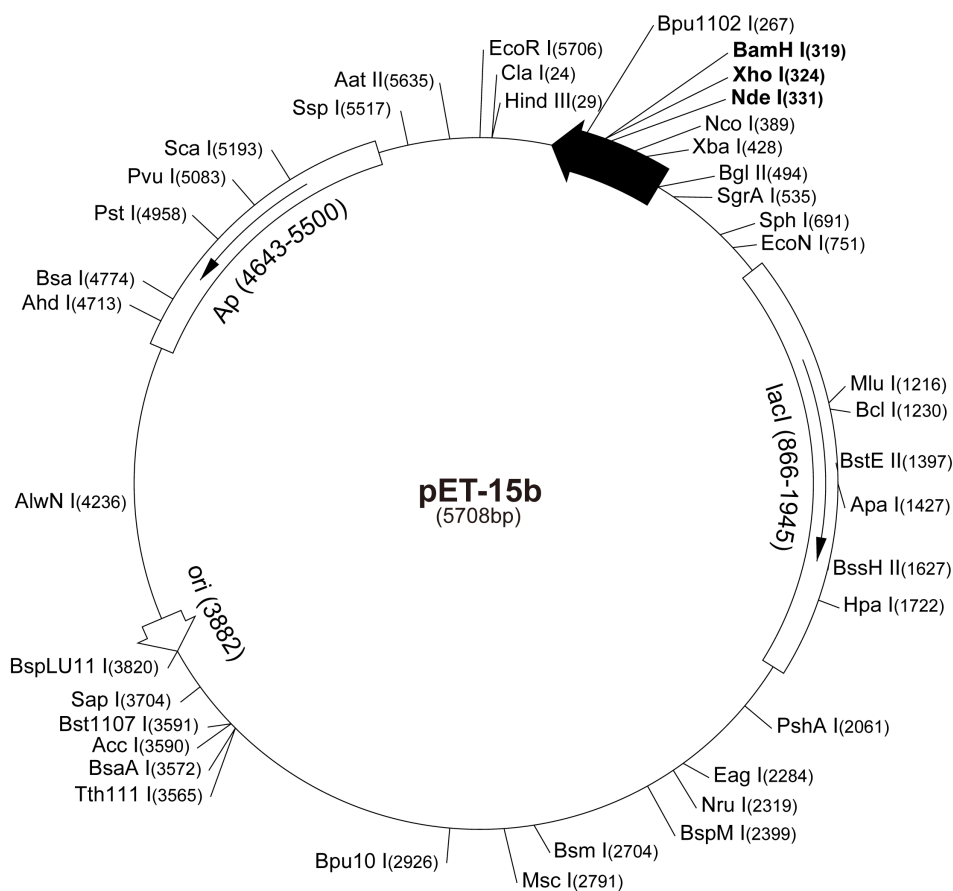


pET-15b Vector

The pET-15b vector (Cat. No. 69661-3) carries an N-terminal His•Tag® sequence followed by a thrombin site and three cloning sites. Unique sites are shown on the circle map. Note that the sequence is numbered by the pBR322 convention, so the T7 expression region is reversed on the circular map. The cloning/expression region of the coding strand transcribed by T7 RNA polymerase is shown below.

pET-15b sequence landmarks

T7 promoter	463-479
T7 transcription start	452
His•Tag coding sequence	362-380
Multiple cloning sites	
(<i>Nde</i> I - <i>Bam</i> H I)	319-335
T7 terminator	213-259
<i>lac</i> I coding sequence	(866-1945)
pBR322 origin	3882
<i>bla</i> coding sequence	4643-5500



pET-15b cloning/expression region

TIANDZ
www.tiandz.com

Enzyme	# Sites	Locations					Enzyme	# Sites	Locations					Enzyme	# Sites	Locations					
AatII	1	5635					BssHII	1	1627					PleI	7	477	765	852	1648	3714	
AccI	1	3590					Bst1107I	1	3591							4199		4702			
AccIII	7	983	1711	2042	3329	3470	BstEII	1	1397					PshAI	1	2061					
		3772	5012				BstXI	3	1018	1147	1270		Psp5II	2	2784		2826				
AcI	91						BstYI	11						Psp1406I	5	878	2246	3145	4939	5312	
AFIII	2	1216		3820			CacBI	41						PstI	1	4958					
AluI	24						CjeI	25						PvuI	1	5083					
AlwI	16						CjePI	26						PvuII	3	1816	1909	3411			
Alw21I	8	716	1200	2523	2814	3638	Clal	1	24						Rcal	4	614	4540	5548	5653	
		4138	5299	5384			CviJI	97						Rsal	4	165	1363	3626	5193		
Alw44I	4	1196	3634	4134	5380		CviRI	26						SapI	1	3704					
AlwNI	1	4236					DdeI	11						Sau96I	21						
ApaI	1	1427					DpnI	29						Sau3AI	29						
ApaBI	2	900	2397					DraI	3	4579	4598	5290	Scal	1	5193						
ApoI	2	1491	5706					DrdI	2	3513	3928		ScrFI	25							
AvaI	2	324	2770					DrdII	1	939					SfaNI	24					
AvaII	9	1768	2144	2232	2481	2784	Dsal	3	389	653	2792		StcI	5	138	462	4085	4276	4954		
		2826	3105	4851	5073		EaeI	6	524	656	1890	2284	2789	SgrAI	1	535					
BamHI	1	319							5101						SphI	1	691				
BanI	13						EagI	1	2284					SspI	1	5517					
BanII	3	600	614	1427			Eam1105I	1	4713					StyI	3	244	389	2714			
BbsI	5	1362	1701	2075	2938	5691	EarI	3	834	3704	5508		TaqI	13							
BbvI	31						Ecil	5	993	2740	3894	4040	4868	TaqII	8	1124	1342	2015	3722	5061	
BccI	16						Eco47III	3	621	2122	3074			5246	5399	5416					
Bce83I	7	208	2030	2200	3911	4209	Eco57I	2	4368		5380			TfiI	7	1895	2197	2351	2649	2870	
		4450	5318					EcoNI	1	751							3374	3795			
BceII	5	735	1076	1703	2512	4322	EcoO109I	5	240	649	2784	2826	5689	Thal	41						
BcgI	8	1508	1542	2042	2076	3397	EcoRI	1	5706					TseI	31						
3431	5218	5252					EcoRII	11						Tsp45I	9	124	1397	2225	2492	3259	
BclI	1	1230					EcoRV	2	187	1666								3472	3567	4969	5180
Bfal	6	257	429	2834	4315	4568	FauI	18						Tsp509I	16						
		4903					FokI	14						Tth111I	1	3565					
BglI	3	2280	2514	4833			FspI	3	2703	2801	4935			Tth111II	7	1055	1748	3281	4410	4417	
BglII	1	494					GdiII	5	524	656	1890	2284	5101			4449	5705				
BmgI	1	1425					HaeI	8	944	2265	2337	2394	2791	UbaJI	26						
BpmI	6	1054	1543	2177	2731	3347			3835	3846	4298		VspI	4	477	1901	1960	4885			
		4783	</																		