

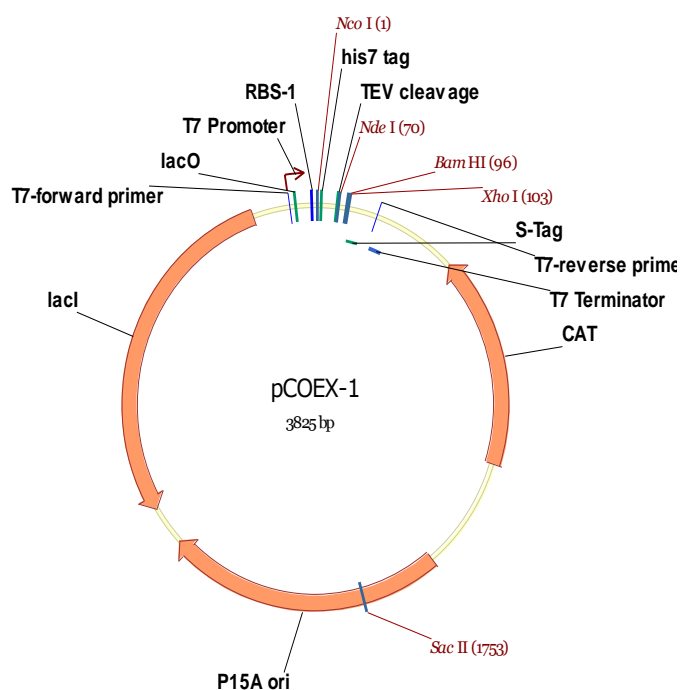
Vector information sheet

Dated: 8th May 2013

Vector Name	pCOEX-1
Source	Opher Gileadi
Sequence accession/link	(SGC)

Description	pACYC co-expression vector, compatible with pET vectors, with His7 tag in 23-aa N-terminal fusion peptide; TEV protease cleavage site; options for cloning NcoI (no tag) or NdeI (with tag); and downstream BamHI or XhoI. Need to supply termination codon in cloned fragment.
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Antibiotic resistance	Chloramphenicol 34 µg/ml
Promoter	T7 - lacO
Cloning	5' NcoI/NdeI to 3' BamHI/XhoI
Initiation codon	Supplied in PCR primer
N-terminal fusion – seq.	MGSSHHHHHHSSSGRENLYFQ*GHM (* - TEV cleavage site)
N-terminal fusion – MW	2830 Da (including met); 2504.5 removed by TEV cleavage.
Termination codon	supplied in PCR primer
Protease cleavage	TEV
Additional features	p15A origin
Preferred host	DE3 hosts: BL21 but not with pLysS or Rosetta strains. MUST express T7 RNA polymerase. Compatible with pBR/pUC –derived vectors.
5' sequencing primer	T7 forward: TAATACGACTCACTATAGGG
3' sequencing primer	T7-reverse: GCTAGTTATTGCTCAGCGG



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