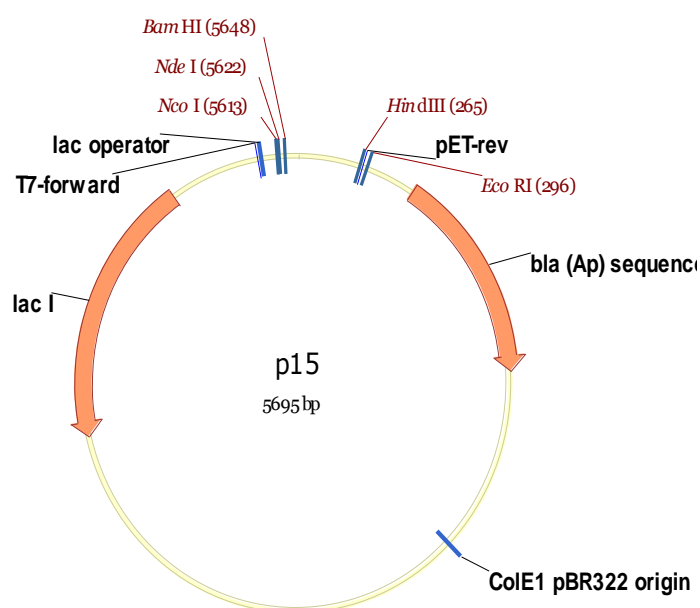


Vector information sheet

Dated: 8th May 2013

Vector Name	p15
Source	Opher Gileadi
Sequence accession/link	(Biotech folder)
Description	pET expression vector with C-terminal His6 tag preceded by a TEV protease cleavage site.
Antibiotic resistance	ampicillin
Promoter	T7 - lacO
Cloning	In-frame NcoI-BamHI or NdeI – BamHI. (BamHI frame: GGA TCC)
Initiation codon	In vector
N-terminal fusion – seq.	(none for NcoI, MAH for NdeI)
N-terminal fusion – MW	
Termination codons	In vector, C-terminal fusion
C-terminal fusion – seq.	GSKENLYFQ*GHHHHHH
C-terminal fusion – MW	1964.94 (1085.05 after TEV cleavage)
Protease cleavage	TEV
Additional features	
Preferred host	DE3 hosts: BL21, Rosetta, etc. MUST express T7 RNA polymerase.
5' sequencing primer	T7 forward: TAATACGACTCACTATAGGG
3' sequencing primer	PET-rev. ATGTTTGACAGCTTATCATCGA NOTE: standard T7 terminator primer does not work!!!



Polylinker region:

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                                NcoI      NdeI
                                ~~~~~~  ~~~~~~
                                M A H M A S L T G
TAATTTTGT TAACTTTAAG AAGGAGATAT ACCATGGCCC ATATGGCTAG CTTGACTGGT
ATTTAAACAA ATTGAAATC TTCCTCTATA TGGTACCGGG TATACCGATC GAACTGACCA
      BamHI
      ~~~~~~
G Q G S K E N L Y F Q G H H H H H H *
GGACAGGGAT CCAAGGAAAA CTTGTATTTT CAGGGCCATC ATCATCACCA TCACTGA
CCTGTCCCTA GGTTCCTTTT GAACATAAAG GTCCCGGTAG TAGTAGTGGT AGTGA
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p15 sequence:

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