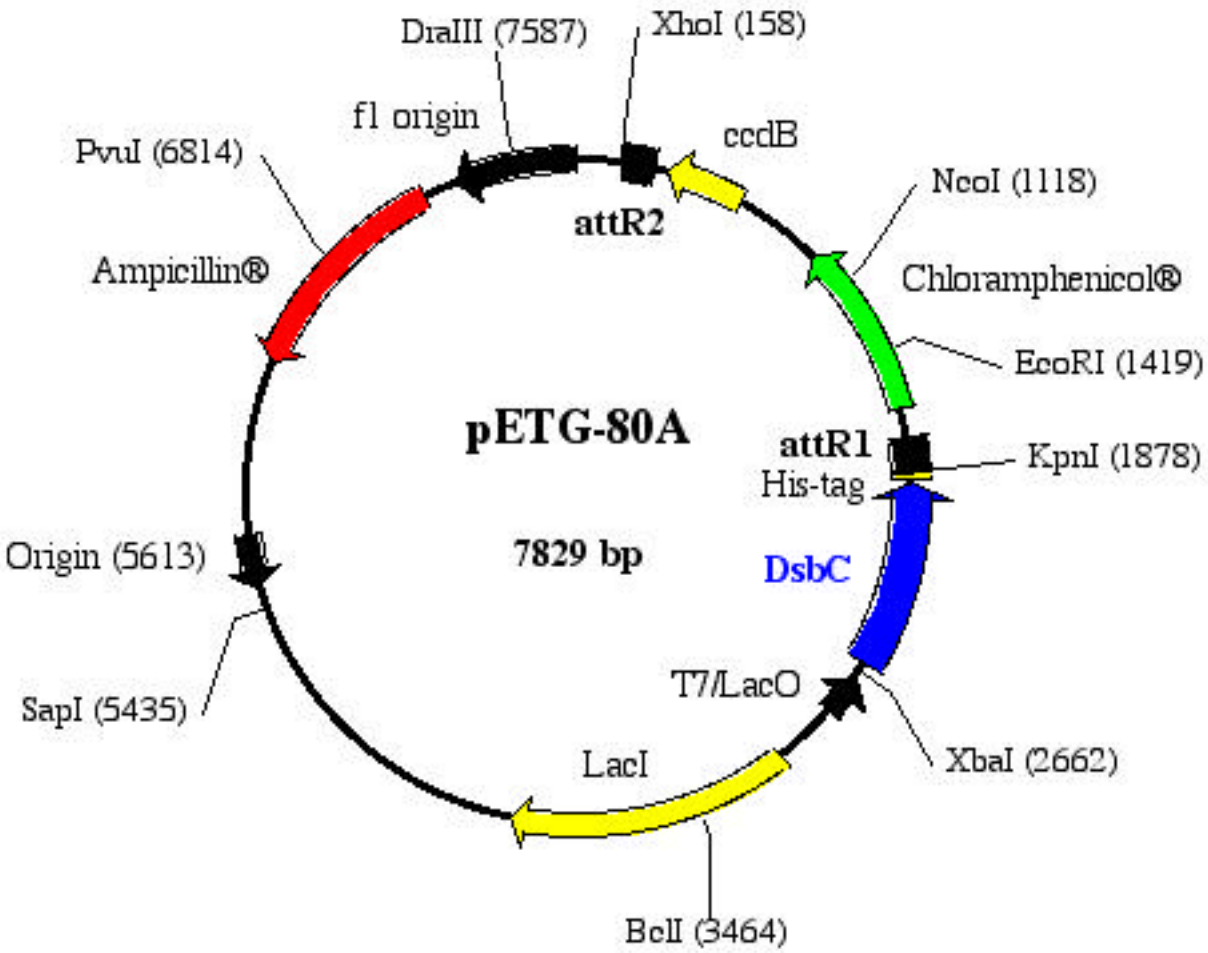


Source: Arie Geerlof
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# pETG-80A

```
      T7 promoter  -->          Lac operator      XbaI
CGAAATTAATACGACTCACTATAGGGGAATTGTGAGCGGATAACAATTCCCCTCTAGAAA
GCTTTAATTATGCTGAGTGATATCCCCTTAACACTCGCCTATTGTTAAGGGGAGATCTTT

                      rbs
TAATTTTGTTTAACTTTAAGAAGGAGATATACCATGAAGAAAGGTTTTATGTTGTTTACT
ATTAAAACAAATTGAAATTCTTCCTCTATATGGTACTTCTTTCCAAAATACAACAAATGA
                                   METLysLysGlyPheMetLeuPheThr

                                            His-tag KpnI
TTGTTAGCGGCGTTT....678bp...GGTTCTGGTCATCACCATCACCATCACGGTACC
AACAATCGCCGCAAA.....DsbC...CCAAGACCAGTAGTGGTAGTGGTAGTGCCATGG
LeuLeuAlaAlaPhe....226aa...GlySerGlyHisHisHisHisHisHisSerAla

   attR1  -->
ATGACAAGTTTGTACAAAAAAGCTGAACGAGAAACGTAAAATGATATAAATATCAATATA
CATTGTTCAAACATGTTTTTTCGACTTGCTCTTTGCATTTTACTATATTTATAGTTATAT
MetThrSerLeuTyrLysLysAlaGluArgGluThr***


TTAAATTAGATTTTGCATAAA......1574bp......TTGATATTTATATCATTTTAC
AATTTAATCTAAAACGTATTT...Cam®....ccdB...AACTATAAATATAGTAAAATG

                        <--  attR2
GTTTCTCGTTCAGCTTTCTTGTACAAAGTGGTGACTCGAGCACCACCACCACCACCACTG
CAAAGAGCAAGTCGAAAGAACATGTTTCACCACTGAGCTCGTGGTGGTGGTGGTGGTGAC
```

Single Cutting Enzymes Listed by Site Order

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 158 | XhoI | 1739 | Eco52I | 2662 | XbaI | 3900 | EcoRV |
| 160 | SciI | 1739 | EagI | 2728 | BglII | 3956 | paI |
| 291 | SalI | 1739 | NotI | 2769 | SgrAI | 5296 | Tth111I |
| 550 | XmaI | 1739 | XmaIII | 2925 | SphI | 5435 | SapI |
| 552 | SmaI | 1874 | Acc65I | 2985 | EcoNI | 6444 | Eam1105I |
| 552 | SrfI | 1874 | Asp718I | 3134 | ApaBI | 6814 | XorII |
| 1118 | NcoI | 1878 | KpnI | 3464 | BclI | 6814 | PvuI |
| 1419 | EcoRI | 1907 | SpeI | 3661 | ApaI | 7587 | DraIII |

Non Cutting Enzymes

| | | | | | |
|---|---|---|---|---|---|
| AatII | AflII | AgeI | AscI | AsuII | AvrII |
| Bsu36I | ClaI | Csp45I | CspI | CvnI | Ecl136II |
| Eco72I | EcoICRI | FseI | HindIII | I-PpoI | MfeI |
| Mlu113I | MstII | NdeI | NheI | NruI | NsiI |
| PacI | PinAI | PmaCI | PmeI | RleAI | SacI |
| SacII | SauI | SfiI | SnaBI | SplI | SpoI |
| SstI | SstII | StuI | SunI | SwaI | |