

pET-42a(+) Restriction Sites

| Enzyme | # Sites | Locations | Enzyme | # Sites | Locations | Enzyme | # Sites | Locations | | |
|----------|---------|---|----------|---------|--|------------------------------------|---------|---|-------|-------|
| AccI | 2 | 196 3555 | EagI | 1 | 182 | SgrAI | 1 | 1240 | | |
| Acil | 74 | | EarI | 4 | 1009 1539 3669 4800 | SmaI | 1 | 4861 | | |
| AflIII | 3 | 849 1921 3785 | Eco47III | 2 | 1326 3039 | SpeI | 1 | 421 | | |
| AluI | 25 | | Eco57I | 1 | 4333 | SphI | 1 | 1396 | | |
| AlwI | 12 | | EcoNI | 3 | 1080 1456 4899 | Sse8387I | 1 | 214 | | |
| Alw26I | 6 | 1618 2023 2149 2536 3426 5003 | EcoO109I | 4 | 53 1056 1354 2791 | SspI | 2 | 4912 5480 | | |
| AlwNI | 1 | 4201 | EcoRI | 1 | 235 | StuI | 1 | 226 | | |
| ApaI | 1 | 2132 | EcoRII | 10 | 581 1644 1959 2499 2556 3811 3932 3945 4875 5232 | StyI | 4 | 57 131 221 255 | | |
| ApaLI | 3 | 1901 3599 4099 | EcoRV | 1 | 251 | Swal | 1 | 664 | | |
| ApoI | 7 | 235 328 2196 4600 4784 5490 5501 | FauI | 18 | | TaiI | 16 | | | |
| AscI | 1 | 216 | Fnu4HI | 40 | | TaqI | 19 | | | |
| AvaI | 2 | 174 4859 | FokI | 13 | | TfiI | 8 | 2600 2835 3339 3760 4898 4954 5126 5217 | | |
| Avall | 5 | 259 594 2473 2791 3070 | HaeII | 13 | | ThaI | 39 | | | |
| AvrII | 1 | 131 | HaeIII | 24 | | TseI | 24 | | | |
| BamHI | 1 | 241 | HgaI | 13 | | Tsp45I | 6 | 2102 3224 3437 3532 5134 5861 | | |
| BanI | 9 | 292 377 1243 1264 1378 1841 2560 2690 5725 | HhaI | 46 | | Tsp509I | 29 | | | |
| BanII | 6 | 206 1305 1319 2132 4642 5763 | HincII | 2 | 197 2427 | TspRI | 11 | | | |
| BbsI | 3 | 2067 2406 2903 | HindIII | 1 | 189 | Tth111I | 1 | 3530 | | |
| BbvI | 24 | | HinfI | 17 | | VspI | 6 | 139 1178 2606 2665 5186 5375 | | |
| BcgI | 4 | 210 1029 2213 3396 | HpaI | 1 | 2427 | XbaI | 1 | 1129 | | |
| BcgI' | 4 | 176 1063 2247 3362 | HphI | 21 | | XcmI | 3 | 1777 2293 2311 | | |
| BclI | 2 | 653 1935 | KpnI | 1 | 296 | XhoI | 1 | 174 | | |
| BfaI | 10 | 70 132 422 1077 1130 2764 2799 4280 4587 5839 | MaeIII | 16 | | XmnI | 3 | 698 3343 5376 | | |
| BglII | 1 | 299 | MboII | 15 | | Enzymes that do not cut pET42a(+): | | | | |
| BpmI | 3 | 1759 2248 3312 | MluI | 1 | 1921 | AatII | AflIII | AhdI | BglI | BsaI |
| Bpu10I | 2 | 2891 5004 | MnII | 25 | | BseRI | BspMI | Bsu36I | FseI | FspI |
| Bpu1102I | 1 | 80 | MscI | 1 | 884 | NheI | Pacl | PmeI | PmlI | RsrII |
| BsaAI | 2 | 3537 5688 | MseI | 31 | | SanDI | SexAI | Sfil | SnaBI | SrfI |
| BsaBI | 3 | 1194 1204 2982 | MspI | 28 | | SunI | UbaEI | | | |
| BsaHI | 5 | 1244 1265 1379 1878 2561 | MspA1I | 10 | 84 341 389 1951 2521 2614 3376 3495 4127 4372 | | | | | |
| BsaJI | 12 | | MunI | 1 | 357 | | | | | |
| BsaWI | 9 | 2 277 289 2240 2743 2974 3991 4138 5122 | MwoI | 36 | | | | | | |
| BsgI | 4 | 807 1772 1972 2945 | NarI | 4 | 1244 1265 1379 2561 | | | | | |
| BsiEI | 5 | 185 2706 3701 4125 4987 | NciI | 12 | | | | | | |
| BsiHKAI | 7 | 175 206 1421 1905 2779 3603 4103 | NcoI | 1 | 255 | | | | | |
| BsII | 28 | | NdeI | 1 | 1091 | | | | | |
| BsmI | 2 | 4871 4948 | NgoAIV | 2 | 1231 5789 | | | | | |
| BsmBI | 3 | 2536 3426 5003 | NlaIII | 29 | | | | | | |
| BsmFI | 5 | 252 1100 1382 3056 5903 | NlaIV | 23 | | | | | | |
| Bsp1286I | 12 | | NotI | 1 | 182 | | | | | |
| BspEI | 2 | 2 2974 | NruI | 1 | 4644 | | | | | |
| BspLU11I | 2 | 849 3785 | Nsil | 2 | 4837 5103 | | | | | |
| BsrI | 20 | | NspI | 5 | 853 1396 3130 3422 3789 | | | | | |
| BsrBI | 5 | 800 1150 3718 5386 5832 | NspV | 2 | 326 692 | | | | | |
| BsrDI | 2 | 1968 2334 | PfIMI | 3 | 318 1503 5250 | | | | | |
| BsrFI | 6 | 289 1231 1240 1607 4941 5789 | PinAI | 1 | 289 | | | | | |
| BsrGI | 1 | 229 | PleI | 9 | 1178 1470 1557 2353 3679 4164 5219 5623 5631 | | | | | |
| BssHII | 2 | 216 2332 | PshAI | 1 | 264 | | | | | |
| BssSI | 1 | 3958 | Psp1406I | 3 | 1583 3110 5473 | | | | | |
| Bst1107I | 1 | 3556 | Psp5II | 1 | 2791 | | | | | |
| BstEII | 1 | 2102 | PstI | 1 | 214 | | | | | |
| BstXI | 3 | 1723 1852 1975 | PvuI | 1 | 4987 | | | | | |
| BstYI | 8 | 241 299 1485 2697 2977 4426 4437 5236 | PvuII | 3 | 2521 2614 3376 | | | | | |
| Cac8I | 43 | | RcaI | 3 | 1319 4505 5380 | | | | | |
| Clal | 2 | 1198 4678 | RsaI | 7 | 231 294 366 518 2068 3591 4822 | | | | | |
| CviJI | 89 | | SacI | 1 | 206 | | | | | |
| Ddel | 11 | | SacII | 1 | 390 | | | | | |
| DpnI | 23 | | Sall | 1 | 195 | | | | | |
| DraI | 2 | 555 664 | SapI | 2 | 1009 3669 | | | | | |
| DraIII | 1 | 5688 | Sau3AI | 23 | | | | | | |
| DrdI | 3 | 3478 3893 5643 | Sau96I | 14 | | | | | | |
| Dsal | 3 | 255 387 1358 | Scal | 2 | 366 518 | | | | | |
| EaeI | 5 | 182 882 1229 1361 2595 | ScrFI | 22 | | | | | | |
| | | | SfaNI | 24 | | | | | | |
| | | | Sfcl | 5 | 210 1163 4050 4241 5907 | | | | | |
| | | | Sgfl | 1 | 4987 | | | | | |