

# AAVS1\_Puro\_PGK1\_3xFLAG\_Twin\_Strep

hPGK1

```
ca cgt cgg cag tcg gct ccc tcg ttg acc gaa tca ccg acc tct ctc ccc agg ggt acc ctc agc ctt aag gcg gcc gcc gag aat ctg tat ttt cag gg < 2600
R R Q S A P S L T E S P T S L P R G T L S L K A A A E N L Y F Q G
gt gca gcc gtc agc cga ggc agc aac tgg ctt agt ggc tgg aga gag ggg tcc cca tgg gag tcg gaa ttc cgc cgg cgg ctc tta gac ata aaa gtc cc
2510 2520 2530 2540 2550 2560 2570 2580 2590

>SgrAI
>NcoI
>BamHI (not unique)
a gcc atg gga tcc gcc ggc gac tac aag gac cac gac ggc gat tat aag gat cac gac atc gac tac aaa gac gac gat gac aag ggc gcc agc agc gcc < 2700
A M G S A G D Y K D H D G D Y K D H D I D Y K D D D D K G A S S A
t cgg tac cct agg cgg ccg ctg atg ttc ctg gtg ctg ccg cta ata ttc cta gtg ctg tag ctg atg ttt ctg ctg cta ctg ttc ccg cgg tcg tcg cgg
2610 2620 2630 2640 2650 2660 2670 2680 2690

>3X FLAG
>Enterokinase
>Twin_Strep_Tag
>Strep Tag
>(GGGS)2
>Strep Tag
>BstBI (for N-term tagging)
>XbaI (Unique in a Dam + strain)
tgg tcc cac cct cag ttt gag aag ggc gga ggc tct ggc ggc gga agc gga gga tct gct tgg agc cac ccc cag ttc gaa aag tga taa ctc gag tct a < 2800
W S H P Q F E K G G G S G G G S G G S A W S H P Q F E K * * L E S R
acc agg gtg gga gtc aaa ctc ttc ccg cct ccg aga ccg ccg cct tcg cct cct aga cga acc tcg gtg ggg gtc aag ctt ttc act att gag ctc aga t
2710 2720 2730 2740 2750 2760 2770 2780 2790

>PmeI
>SbfI
ga cgt tta aac cct gca ggc tgt gcc ttc tag ttg cca gcc atc tgt tgt ttg ccc ctc ccc cgt gcc ttc ctt gac cct gga agg tgc cac tcc cac tg < 2900
R L N P A G C A F * L P A I C C L P L P R A A F L D P G R C H S H C
ct gca aat ttg gga cgt ccg aca cgg aag atc aac ggt cgg tag aca aca aac ggg gag ggg gca cgg aag gaa ctg gga cct tcc acg gtg agg gtg ac
2810 2820 2830 2840 2850 2860 2870 2880 2890

pcDNA R3
```

BGH PolyA