Product datasheet for PS100090

pAAV-AC-GFP AAV Gene Expression Vector

Product data:

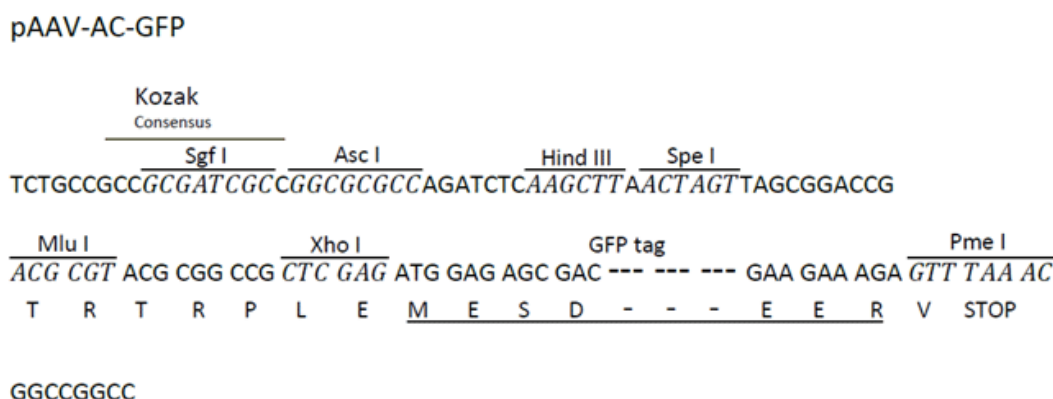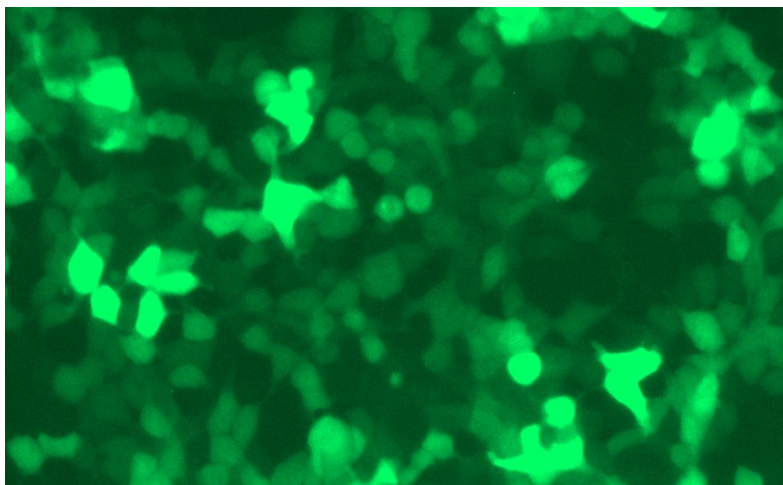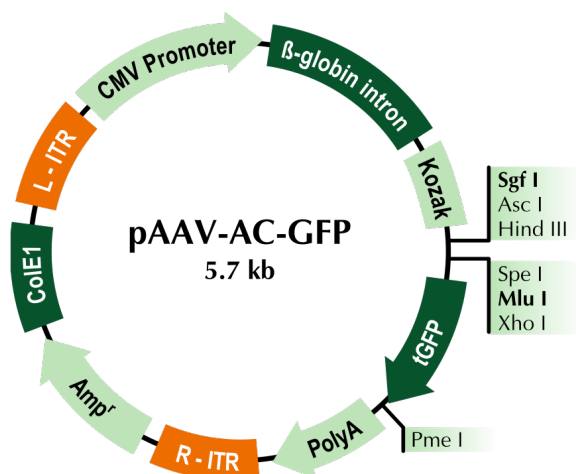|	
Product Type:	AAV Gene Expression Vectors
C-Tag:	tGFP
E. coli Selection:	Ampicillin (100 ug/mL)
Features:	

- OriGene's TrueORF clones can be shuttled into this vector via PrecisionShuttle, a simple cut-and-ligation process.
- The ORF cloned in this vector can be expressed containing c-terminal tGFP.
- BGI_F Primer (GE100087) can be used to sequence the target sequence after cloning.
- AC_GFP_R Primer (GE100113) can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:

pAAV-AC-GFP

```
                Kozak
               Consensus
          Sgf I        Asc I              Hind III   Spe I
TCTGCCGCCGCGATCGCCGGCGCGCCAGATCTCAAGCTTAACTAGTTAGCGGACCG

     Mlu I                 Xho I                GFP tag              Pme I
   ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- --- --- GAA GAA AGA GTT TAA AC
    T   R   T   R   P   L   E   M   E   S   D   -   -   -   E   E   R   V  STOP

GGCCGGCC
```

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Product images:

pAAV-AC-GFP was validated to produce functional AAV particles. AAV particles were purified by Iodixanol gradient ultracentrifugation, then transduced HEK293 cells. Image was taken 72 hrs after infection.

pAAV-AC-GFP

Kozak
Consensus

Sgf I   Asc I   Hind III   Spe I
TCTGCCGCC*GCGATCGC*C*GGCGCGCC*AGATCTC*AAGCTT*A*ACTAGT*TAGCGGACCG

Mlu I   Xho I   GFP tag   Pme I
ACG CGT ACG CGG CCG *CTC GAG* ATG GAG AGC GAC --- --- --- GAA GAA AGA *GTT TAA AC*
  T   R   T   R   P   L   E   M   E   S   D   -   -   -   E   E   R   V   STOP

GGCCGGCC