

Product datasheet for PS100091

OriGene Technologies, Inc.

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pAAV-AC-RFP AAV Gene Expression Vector

Product data:

Product Type: AAV Gene Expression Vectors

C-Tag: tRFP

E. coli Selection: Ampicillin (100 ug/mL)

Features: • OriGene's TrueORF clo

- OriGene's <u>TrueORF clones</u> can be shuttled into this vector via<u>precisionShuttle</u>, a simple cutand-ligation process.
- The ORF cloned in this vector can be expressed containing c-terminal tRFP.
- BGI_F Primer (GE100087) can be used to sequence the target sequence after cloning.
- RFP_R Primer (GE100134) can be used to sequence the target sequence after cloning.

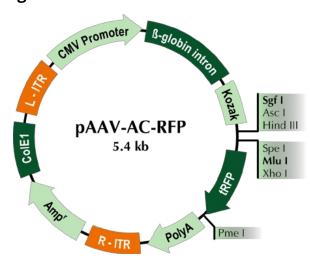
Schematic of the multiple cloning sites:

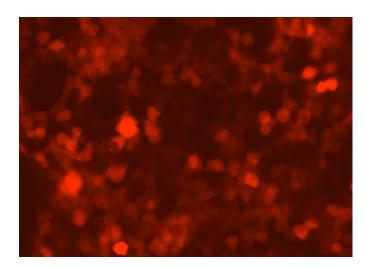
Kozak Consensus																	
Sgf I					Asc I		Hind III Spe I				_						
TCTG	TCTGCCGCCGCGATCGCCGGCGCGCCAGATCTCAAGCTTAACTAGTTAGCGGACCG																
Mlu I				XI	no I		RFP tag										
ACG	CGT	ACG	CGG	CCG	CTC	GAG	ATG	AGC	GAG	CTG				GGG	CAC	AGA	ATGA
Т	R	Т	R	Р	L	Ε	M	S	Ε	L	-	-	-	G	Н	R	STOP
	Pme I																
\overline{GTT}	GTT TAA AC GGCCGGCC																





Product images:





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

