OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for GE100041D

Validated repairing donor oligos for RFP dead mutant correction in GE100041C cells

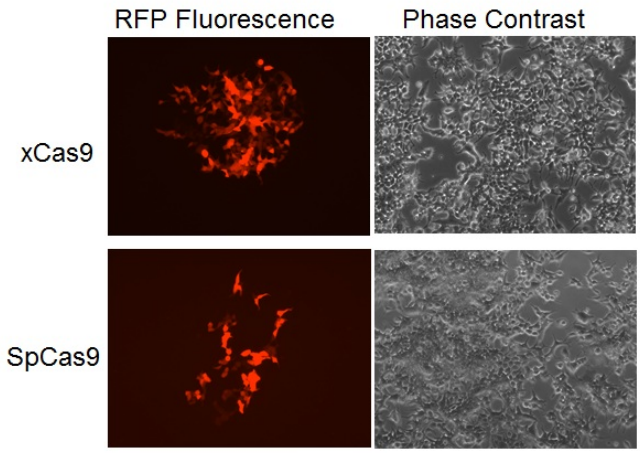
Product data:

Product Type: CRISPR Vectors

Features:

- Validated dono oligo to correct RFP dead mutant in the RFP negative cells (GE100041C)
- The RFP negative cells (GE100041C) can be converted into RFP positive cells using validated sgRNA (GE100041G) and rescue donor oligo (GE100041D).

Product images:



Genomic editing of RFP deletion was performed using wild type RFP sequence (oligo donor), and verified gRNA plasmid. The gRNA sequence was designed based on NGG PAM sequence, and cloned in the xCas9 (Cat#[GE100078]) or SpCas9 (Cat#[GE100002]) vector. The parent cell used for the gene editing contains a RFP expression cassette which has a big deletion in the coding sequence. 0.5ug of gRNA plasmid and 0.5ug RFP repairing oligo were co-transfected in the RFP negative parent cells. 10 days after transfection, RFP fluorescence can be observed (Left panel) in both xCas9 and SpCas9 transfected cells. However, xCas9 (Top) seems to have a higher editing efficiency than SpCas9 (bottom).

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