

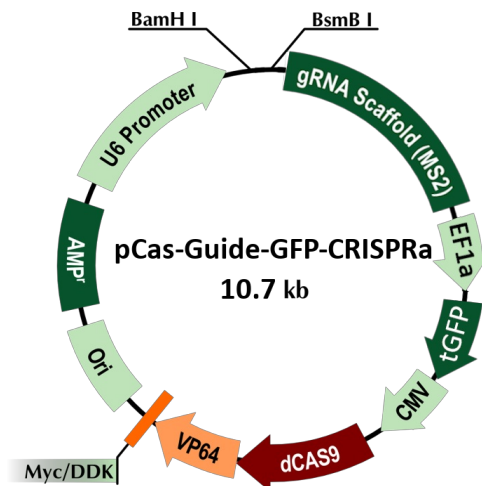
## Product datasheet for **GE100074**

### pCas-Guide-GFP-CRISPRa gene activation vector

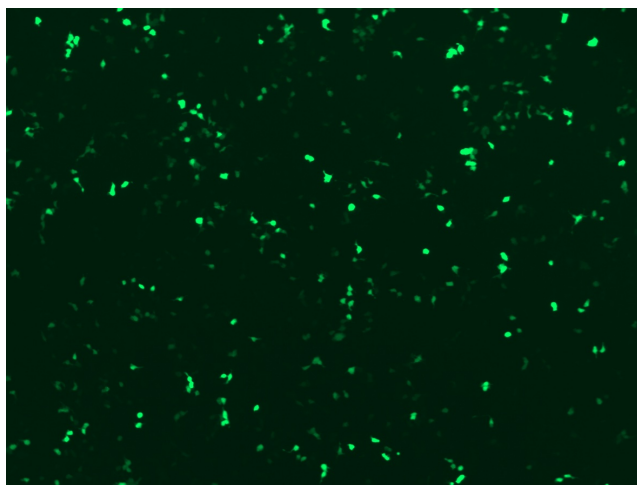
#### Product data:

- Product Type:** CRISPR Vectors
- Function:** All-in-one CRISPRa SAM vector
- Features:**
- BamH I and BsmB I can be used for genomic target sequence cloning
  - gRNA under U6 promoter
  - gRNA is modified with MS2 RNA aptamer in the loops
  - CMV driven dCas9-VP64, which can activate gene expression
  - For robust gene activation, needs to work with pCRISPRa-Enhancer (GE100056)
  - CF3 primer (GE100008) can be used to sequence target sequence after cloning
  - Contains tGFP reporter gene under EF1a promoter

#### Product images:



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Transfection of mammalian cells using the pCas-Guide-GFP-CRISPRa vector.