

## Product datasheet for KN200003BN

## p53 (TP53) Human Gene Knockout Kit (CRISPR)

**Product data:** 

**Product Type: Knockout Kits (CRISPR)** 

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

**Donor DNA:** mBFP-Neo

Symbol: p53 Locus ID: 7157

**KN200003G1**, p53 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

**KN200003G2**, p53 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200003BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

NM 000546, NM 001126112, NM 001126113, NM 001126114, NM 001126115, RefSeq:

> NM 001126116, NM 001126117, NM 001126118, NM 001276695, NM 001276696, NM 001276697, NM 001276698, NM 001276699, NM 001276760, NM 001276761

**UniProt ID:** P04637

BCC7; LFS1; P53; TRP53 Synonyms:

Summary: This gene encodes a tumor suppressor protein containing transcriptional activation, DNA

> binding, and oligomerization domains. The encoded protein responds to diverse cellular stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome.

Alternative splicing of this gene and the use of alternate promoters result in multiple

transcript variants and isoforms. Additional isoforms have also been shown to result from the

use of alternate translation initiation codons from identical transcript variants (PMIDs:

12032546, 20937277). [provided by RefSeq, Dec 2016]



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

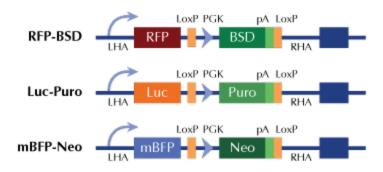
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



# **Product images:**

### Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter