

Product datasheet for KN224742BN

POLE 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

POLE Symbol: 5426 Locus ID:

KN224742G1, POLE gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN224742G2, POLE gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN224742BND, donor DNA containing left and right homologous arms and mBFP-Neo

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

Disclaimer: These products are manufactured and supplied by OriGene under license from ERS. The kit is

> designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the

experimental process.

RefSeq: NM 006231

UniProt ID: Q07864

Synonyms: CRCS12; FILS; POLE1

Summary: This gene encodes the catalytic subunit of DNA polymerase epsilon. The enzyme is involved

in DNA repair and chromosomal DNA replication. Mutations in this gene have been

associated with colorectal cancer 12 and facial dysmorphism, immunodeficiency, livedo, and

short stature. [provided by RefSeq, Sep 2013]



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

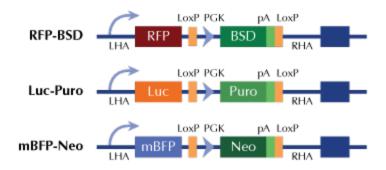
CN: techsupport@origene.cn

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