

# Product datasheet for KN204048BN

## **Ku70 (XRCC6) 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: Ku70 2547 Locus ID:

**KN204048G1**, Ku70 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN204048G2, Ku70 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204048BND, 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 001288976, NM 001288977, NM 001288978, NM 001469

**UniProt ID:** P12956

CTC75; CTCBF; G22P1; KU70; ML8; TLAA Synonyms:

Summary: The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular

masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-

dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair,

transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. [provided by RefSeq, Jul

2008]



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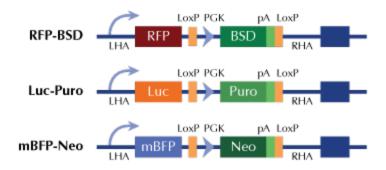
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# **Product images:**

### Donor Vector Edited Chromosome



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