

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
Locus ID:	2547
Components:	<p>KN204048G1, Ku70 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204048G2, Ku70 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN204048BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
Disclaimer:	<p>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.</p>
RefSeq:	NM_001288976 , NM_001288977 , NM_001288978 , NM_001469
UniProt ID:	P12956
Synonyms:	CTC75; CTCBF; G22P1; KU70; ML8; TLAA
Summary:	<p>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]</p>



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Product images:

