

## Product datasheet for **KN222919**

### WRN Human Gene Knockout Kit (CRISPR)

#### Product data:

**Product** Knockout Kits (CRISPR)

**Type:**

**Format:** 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

**Donor DNA:** GFP-puro

**Symbol:** WRN

**Locus ID:** 7486

**Components:** **KN222919G1**, WRN gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGCAGCGGAAATGT  
**KN222919G2**, WRN gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TTCTGCACATTCATC  
**KN222919D**, donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGTCTCT TCGGTCCTCC GATCGTTGTC AGAAGTAAGT TGGCCGCAGT GTTATC

**CAAAG**actagcatggagagcgcgagagcggcctgcccgcctggagatcgagtgccgcatcaccggcaccctgaacggcgtggagttcgagctggtggcgggcg

AGGTATGTTG TTCATTGACT ATTCTTTTGG GTGAGAAATT TAATTTATAT TTGACTGTGC AAAGAGTCAG TTGTTACTTG TAAACTTCAA GTCATT

**GE100003**, scramble sequence in pCas-Guide vector

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**RefSeq:** [NM\\_000553](#)

**UniProt ID:** [Q14191](#)

**Synonyms:** RECQ3; RECQL2; RECQL3

**Summary:** This gene encodes a member of the RecQ subfamily of DNA helicase proteins. The encoded nuclear protein is imp



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Product images:

