

## Product datasheet for **KN421716**

### ZNF442 Human Gene Knockout Kit (CRISPR)

#### Product data:

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 linear donor
<b>Donor DNA:</b>	EF1 $\alpha$ -GFP-P2A-Puro
<b>Symbol:</b>	ZNF442
<b>Locus ID:</b>	79973



Components:

**KN421716G1**, ZNF442 gRNA vector 1 in pCas-Guide CRISPR vector (GEI00002)

**KN421716G2**, ZNF442 gRNA vector 2 in pCas-Guide CRISPR vector (GEI00002)

**KN421716D**, Linear donor DNA containing LoxP-EF1A-tGFP-P2A-Puro-LoxP:

The sequence below is cassette sequence only. The linear donor DNA also contains proprietary target sequence.

LoxP-EF1A-tGFP-P2A-Puro-LoxP (2739 bp)

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ATAACTTCGT ATAATGTATG CTATACGAAG TTATCGTGAG GCTCCGGTGC CCGTCAGTGG GCAGAGCGCA CATCGCCCAC
AGTCCCCGAG AAGTTGGGGG GAGGGGTCGG CAATTGAACC GGTGCCTAGA GAAGGTGGCG CGGGGTA AAC TGGGAAAGTG
ATGTCGTGTA CTGGCTCCGC CTTTTTCCCG AGGGTGGGGG AGAACCGTAT ATAAGTCGAG TAGTCGCCGT GAACGTTCTT
TTTCGCAACG GGTTCGCGC CAGAACACAG GTAAGTGCCG TGTGTGGTTC CCGCGGGCCT GGCCTCTTTA CGGGTTATGG
CCCTTGCGTG CCTTGAATTA CTTCCACCTG GCTGCAGTAC GTGATTCTTG ATCCCGAGCT TCGGGTTGGA AGTGGGTGGG
AGAGTTCGAG GCCTTGCGCT TAAGGAGCCC CTTGCGCTCG TGCTTGAGTT GAGGCTGGC CTGGGCGCTG GGGCCGCCG
GTGCGAATCT GGTGGCACCT TCGCGCTGT CTCGCTGCT TCGATAAGTC TCTAGCCATT TAAATTTTTT GATGACCTGC
TGCGACGCTT TTTTCTGGC AAGATAGTCT TGAAATGCG GGCCAAGATC TGCACACTGG TATTCGGTT TTTGGGGCCG
CGGGCGCGA CGGGGCCCGT GCGTCCCAGC GCACATGTTG GGCGAGGCGG GGCTGCGAG CGCGGCCACC GAGAATCGGA
CGGGGTAGT CTAAGCTGG CCGCCTGCT CTGGTGCCTG GCCTCGCGCC GCCGTGTATC GCCCGCCCT GGGCGCAAG
GCTGGCCCGG TCGCACAGG TTGCGTGAGC GAAAGATGG CCGCTTCCC GCCCTGCTG AGGGAGCTCA AAATGGAGGA
CGCGCGCTC GGGAGAGCGG GCGGGTGAAG CACCCACACA AAGGAAAAGG GCCTTCCGT CCTCAGCCGT CGCTTCATGT
GACTCCACGG AGTACCGGGC GCCGTCCAGG CACCTCGATT AGTTCGCG CTTTTGGAGT ACCTCGCTT TAGGTTGGGG
GGAGGGGTTT TATGCGATGG AGTTTCCCA CACTGAGTGG GTGGAGACTG AAGTTAGGCC AGCTTGGCAC TTGATGTAAT
TCTCCTTGA ATTTCCCTT TTTGAGTTG GATCTTGGT CATTCTAAG CCTCAGACAG TGGTTCAAAG TTTTTTTCTT
CCATTTACAG TGTCTGAAT GGAGAGCGAC GAGAGCGGCG TGCCCGCCAT GGAGATCGAG TGCCGCATCA CCGGACCCCT
GAACGCGTG GAGTTCGAGC TGGTGGGCGG CGGAGAGGGC ACCCCGAGC AGGGCCGCAT GACCAACAAG ATGAAGAGCA
CCAAAGGCGC CCTGACCTTC AGCCCTACC TGCTGAGCCA CGTGATGGG TACGGCTTCT ACCACTTCGG CACTACCCC
AGCGGCTACG AGAACCCCTT CCTGCACGCC ATCAACAACG GCGGCTACAC CAACACCCG ATCGAGAAGT ACGAGGACGG
CGGCGTGCTG CACGTGAGCT TCAGCTACCG CTACGAGGCC GGCCGCGTGA TCGGCGACTT CAAGGTGATG GGCACCCGCT
TCCCGGAGGA CAGCGTGATC TTCACCGACA AGATCATCCG CAGCAACGCC ACCGTGGAGC ACCTGCACCC CATGGGCGAT
AACGATCTGG ATGGCAGCTT CACCCGCACC TTCAGCCTGC GCGACGGCGG CTACTACAGC TCCGTGGTGG ACAGCCACAT
GCACTTCAAG AGCGCCATCC ACCCCAGCAT CCTGCAGAAC GGGGGCCCA TGTTGCGCTT CCGCCGCTG GAGGAGGATC
ACAGCAACAC CGAGCTGGG ATCGTGGAGT ACCAGCACGC CTTCAAGACC CCGGATGAG ATGCCGGTGA AGAAAGAGGA
AGCGGAGCTA CTAACCTCAG CCTGCTGAAG CAGGCTGGAG ACGTGGAGGA GAACCTGGA CCTATGACCG AGTACAAGCC
CACGGTGGC CTCGCCACC GCGACGAGT CCCCAGGGC GTACGCACC TCGCCGCGG GTTCGCGGAC TACCCGCCA
CGGCCACAC CGTCGATCC GACCGCCACA TCGAGCGGT CACCGAGCTG CAAGAACTCT TCCTCACCG CGTCGGGCTC
GACATCGCA AGGTGTGGT CGCGGACGAC GCGCGCGCGG TGGCGTCTG GACCACCGG GAGAGCGTCG AAGCGGGGGC
GGTGTTCGCC GAGATCGGCC CGCGCATGGC CGAGTTGAGC GGTTCGCGG TGCCCGCGCA GCAACAGATG GAAGGCCTCC
TGGCGCGCA CCGGCCAAG GAGCCCGCT GGTTCCTGCG CACCGTCGGG GTCTGCGCC ACCACAGGG CAAGGGTCTG
GGCAGCGCG TCGTCTCCC CGGAGTGGAG GCGGCGGAG GCGCGGGGT GCCCGCTTC CTGGAGACCT CCGCGCCCG
CAACCTCCC TTCTACGAGC GGCTCGGCTT CACCGTCACC GCCGACGTC AGGTGCCGA AGGACCCGCG ACCTGGTGA
TGACCCGCAA GCCCGGTGCC TGAAACTTGT TTATTGCAGC TTATAATGGT TACAAATAAA GCAATAGCAT CACAAATTC
ACAAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGT TGTCCAAACT CATCAATGTA TCTTAATAAC TTCGTATAAT
GATGCTATA CGAAGTTAT
    
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**OTI 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\\_030824](#), [NM\\_001363774](#)

**UniProt ID:** [Q9H7R0](#)

**Synonyms:** FLJ14356

**Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**

