

Product datasheet for **KN209142**

IRX2 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)
Format: 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA: GFP-puro
Symbol: IRX2
Locus ID: 153572
Components: **KN209142G1**, IRX2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCCTGGTACAGGTAGCCCTG
KN209142G2, IRX2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTGCCCCGGCCTACGGCGCGT
KN209142D, 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**

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TGGCTCCGAG TGGATGGGAG TGGGAGGGGT GCGCGCCGGG GCACGCAGCG CGGCCGGGCT GGGCTGCAGG
TCCGCGAGCC GCGGGCTGGG GCCGGAGCTG CTAGAGAGGC GGCTGCGCCA CAAAAGCCTG CCGGTCCCTC
CCGCCGCCG CCTCCGTCGC CTCGCCCTC CCCCGCCTC CTCCCGTCTC TCTGCCCTC CCCCAGCCGC
GGCCCGGAGG CTGCAGCGGG CGGAGCAGGG GAGGGGCGGG CCCCAGAATA TGCAGATGAG CGCGTGATGG
ACAGCTGCGC GTTCCAATGT CCCTCGGAAA CTCGAGCGCT CCTTCTCAA CTCCTCACTC CCGACTCCAG
ACTCCCCAA ACCCCGACCG CCGGCCTGGC GCGCGGCTGC GCCACCGGC TCCGCGCTGC TGCCGCGGCC
ACCGCCACCC CGCCGCCGCC CCGGCCCGCG GGCCGCCAG GCTAGTACCC GGGCCGGCCT GCCTCCGCCG
GCCGTCCGGG TGCCCGCCGC CGCGCCGCGC CCCGGCCGGG CGTGGATGGA GGGCGCCGCG CGCCCTGCC
GCTGCTCGGC GTGACGCGGG CCCCAGCGCC CGCGCCACC CGCGCAGCGA GGAGTGGCG CGCTCGGCGT
CGGGCTCGGC GTTCAGCCCC TACCCGGGCT CGGCGGCCTT CACGGCGCAG GCGGCCACCG GCTTCGGGAG
CCCCTGCGAG TACTCGGCCG ACGCCGCCGC CGCCGCCGCC GGCTTCCCGT CCTACATGGT AACCGGGCGC
GGGCGGGACG CGGGACTCCT GGGCGCCGGG ACCCAGACGG GGCTCAGGCG GAGCGGGGCT CGGGTTCGGC
GGGCGGGGGC CGCCGGGAAT GTGGCGCGGC TGGCGACTCA GGAGTCGCGG GCTCGGTTGG CCGCCCCGCA
GGCTGAGCCG GGCCCCGGT GGGGAGGGCA GCGCGGCAGG CGGGGACGTC CCTGAGCCCG GCCGGGACCC
GCGCGCCCCC CGCGCGTCCC CTCGGCTCGC CGGCTGATTT TCTCTGAGAG CCTGGGAAGT GCGTCTCCGC
CGGGGCCGGG GTCTGGCGCC GTTTGTCCCT GGTTCGCCA CCGCAGCCTG GGGAGGCGTT CGGAGCGGGC
TGTGTGCTCG CCTGCATTGG CGTGGGGCGC GAGGGTCCGC GTCACTGCGG CCTCTGAGCC GACGGCCGGG
CGGTTCCGCAT
```

GE100003, scramble sequence in pCas-Guide vector



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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_001134222](#), [NM_033267](#)

UniProt ID: [Q9BZ11](#)

Synonyms: IRXA2

Summary: IRX2 is a member of the Iroquois homeobox gene family. Members of this family appear to play multiple roles during pattern formation of vertebrate embryos.[supplied by OMIM, Apr 2004]

Product images:

