

## Product datasheet for **KN203924**

### COUP TF1 (NR2F1) 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:	COUP TF1
Locus ID:	7025
Components:	<p><b>KN203924G1</b>, COUP TF1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TAGCAGCTGGCGAGATCCGC</p> <p><b>KN203924G2</b>, COUP TF1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACGTGGCCGGGGCAACCC</p> <p><b>KN203924D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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AAGGCGAGTT ACATGATCCC CCATGTTGTG CAAAAAAGCG GTTAGCTCCT TCGGTCCTCC GATCGTTGTC
AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG GTGTCACGCT CGTCGTTTGG TATGGCTTCA
TTCAGCTCCG GTTCCCAACG ATC

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**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\\_005654](#)

**UniProt ID:**

[P10589](#)

**Synonyms:**

BBOAS; BBSOAS; COUP-TFI; EAR-3; EAR3; ERBAL3; NR2F2; SVP44; TCFCOUP1; TFCOUP1

**Summary:**

The protein encoded by this gene is a nuclear hormone receptor and transcriptional regulator. The encoded protein acts as a homodimer and binds to 5'-AGGTCA-3' repeats. Defects in this gene are a cause of Bosch-Boonstra optic atrophy syndrome (BBOAS). [provided by RefSeq, Apr 2014]

Product images:

