

## Product datasheet for **KN207198**

### YY1 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:	YY1
Locus ID:	7528
Components:	<p><b>KN207198G1</b>, YY1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GGAGACCATCGAGACCACAG</p> <p><b>KN207198G2</b>, YY1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGAGGTGGAGACCATCCCGG</p> <p><b>KN207198D</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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CAGGGCGCGT GCGAGCCGCC CCGCCCCCGG TCCCATCGGC CCCAATCCGG GAGGAGCCCG GCGAGTGGGC
GGGGCCGCGG AGGCCAGCGG ACAGATCGAT TGGCCGAGAG GAGAATCGAG AGGGCGAACG GCGGAGTGGC
AGCGAGGCGG GCGGGCTGA GGCCAGCGCG GAAGTCTCGC GAGGCCGGGC CCGAGCAGAG TGTGGCGGGC
GCGGCGAGAT CTGGGCTCGG GTTGAGGAGT TGGTATTTGT GTGGAAGGAG GCGGAGGCGG AGGAGGAAGG
GGGAAGCGGA GCGCCGGCCC GGAGGGCGGG AGGAGGCGCG GCCAGGGCGG GCGGTTGCGG CGAGGCGAGG
CGAGGCGGGG AGCCGAGACG AGCAGCGGCC GAGCGAGCGC GGGCGCGGGC GCACCGAGGC GAGGGAGGCG
GGGAAGCCCC GCCGCGCCG CGGCGCCCGC CCCTTCCCCC GCCGCCCGCC CCCTTCCCCC CCGCCCCGCTC
GCCGCTTCC TCCCTCTGCC TTCCTTCCCC ACGGCCGGCC GCCTCCTCGC CCGCCCGCCC GCAGCCGAGG
AGCCGAGGCC GCCGCGGCCG TGGCGGCGGA GCCCTCAGCC AGGAGGAGGA CGACGACGAC GAGGACGGCG
GCGGTGGCGA CCACGGCGGC GGGGGCGGCC ACGGGCACGC CGGCCACCAC CACCACCACC ATCACCACCA
CCACCACCG CCCATGATCG CTCTGCAGCC GCTGGTCACC GACGACCGA CCCAGGTGCA CCACCACCAG
GAGGTGATCC TGGTGCAGAC GCGCGAGGAG GTGGTGGGCG GCGACGACTC GGACGGGCTG CGCGCCGAGG
ACGCTTTCGA GGATCAGATT CTCATCCCGG TGCCCGCGCC GGCCGGCGGC GACGACGACT ACATTGAACA
AACGCTGTGC ACCGTGGCGG CGGCCGGCAA GAGCGGCGGC GCGGCTCGT CGTCGTGCGG AGGCGGCGGC
GTCAAGAAGG GCGGCGGCAA GAAGAGCGGC AAGAAGAGTT ACCTCAGCGG CGGGGCCGCG GCGGCGGGCG
GCGGCGGCGC CGACCCGGGC AACAGAAGT GGGAGCAGAA GCAGGTGCAG ATCAAGACCC TGGAGGGCGA
GTTCTCGGTC ACCATGTGGT CCTCAGGTGA GCGCCGGCCG CGCGCCCCGG CCCC GGATG TTTTGTTTT
GAAGGGAAGC

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**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\\_003403](#)

**UniProt ID:** [P25490](#)

**Synonyms:** DELTA; INO80S; NF-E1; UCRBP; YIN-YANG-1

**Summary:** YY1 is a ubiquitously distributed transcription factor belonging to the GLI-Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1. [provided by RefSeq, Jul 2008]

### Product images:

