

## Product datasheet for **KN203492**

### CCN1 (CYR61) 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:	CCN1
Locus ID:	3491
Components:	<p><b>KN203492G1</b>, CCN1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACGACTAAGGCGAGCGCCC</p> <p><b>KN203492G2</b>, CCN1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AACTCACCAGCCTGGTCAAG</p> <p><b>KN203492D</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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CACGCCCAA AGAACCTTC CCAACATAAG TCGTAATTTA AGGTGGAAAA AACGAACTGT TTTCTTGACG
GGTCTGGGAC ACACACACAC ACACACACAC ACACACACAC ACCCCCCGAA CTGTTTTTCTT GACGGGTCTG
GGAGACAGAC ACACACACAG ACACACACAC ACACACACAC ACACACACAC ACACACACAC ACACACACAC
ACACAAAGGT GCAATGGAGC CAGGGGAGGC GCTTGGCAGC AGCCCCGCC AACCAGCATT CCTGAGATGT
TTGAGAATTC TGGAACGCGC AGACAGAGCC GACGTCACTG CAACACGCGG CGCCTCCGCC GGCCCGTATA
AAAGGCGGGC TCCGGGGCGC CTGGGCAGAC CGCGAGCGAG AGCGCCCCCG AGCAGCGCCC GCGCCCTCCG
CGCCTTCTCC GCCGGGACCT CGAGCGAAAG ACGCCCCGCC GCCGCCAGC CCTCGCCTCC CTGCCACCCG
GGCCACCCG GCCGCCACCC CGACCCCGCT GCGCACGGCC TGTCCGCTGC ACACCAGCTT GTTGGCGTCT
TCGTCGCCGC GCTCGCCCCG GGCTACTCCT GCGCGCCACA CCCCTTCCCC TGGTCCCAGA TTGCCACCGG
CAGGAAAAGT TAAAAAGTTC GCGATCGTTT GCGGGTAGCC GTTTCTTTAA GCACTCTCCC CCTCCCCCG
AAGACGTGTC GGGACCTCTT GGTGGGAGCA GCCTTCCGAG GTGGCCGGGC TGGACGAGAT CAGAGGCTCC
CCGTCGATAG GGTGGGAGAC CCCCGTCCCT CACTGCGGCA GCCGCGCGC CCCTCCTGCG CACCGCGCCG
AGTCTCAGC GTATCTTCTC CCCCTTCCAG GCGCTCTCCA CCTGCCCGC TGCTGCCCAC TGCCCCCTGG
AGGCGCCCAA GTGCGCGCCG GGAGTCGGGC TGGTCCGGGA CGGCTGCGGC TGCTGTAAGG TCTGCGCCAA
GCAGCTCAAC GAGGACTGCA GCAAAACGCA GCCCTGCGAC CACACCAAGG GGCTGGAATG CAACTTCGGC
GCCAGCTCCA CCGCTCTGAA GGGGATCTGC AGAGGTAAGA TGCTTGTGGT TTGGCCCTT TAAAAAAAT
ACTAGTCCCC ATAGTCCAGA AGTTTAGTAA TTCTGAGACC ATGTATGGTG ATGCTTTGTT GTTGGTAGCT
TGGCAGAAAG

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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\\_001554](#)

**UniProt ID:** [O00622](#)

**Synonyms:** CCN1; GIG1; IGFBP10

**Summary:** The secreted protein encoded by this gene is growth factor-inducible and promotes the adhesion of endothelial cells. The encoded protein interacts with several integrins and with heparan sulfate proteoglycan. This protein also plays a role in cell proliferation, differentiation, angiogenesis, apoptosis, and extracellular matrix formation. [provided by RefSeq, Sep 2011]

### Product images:

