

## Product datasheet for **KN210336**

### CCN2 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:** CCN2  
**Locus ID:** 1490  
**Components:** **KN210336G1**, CCN2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GACGCGGACGGGGCCCATAC  
**KN210336G2**, CCN2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCTGCAGCCGGGTAAGCGC  
**KN210336D**, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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CAGCTCCGGT TCCCAACGAT C

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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\\_001901](#)

**UniProt ID:**

[P29279](#)

**Synonyms:**

CCN2; HCS24; IGFBP8; NOV2

**Summary:**

The protein encoded by this gene is a mitogen that is secreted by vascular endothelial cells. The encoded protein plays a role in chondrocyte proliferation and differentiation, cell adhesion in many cell types, and is related to platelet-derived growth factor. Certain polymorphisms in this gene have been linked with a higher incidence of systemic sclerosis. [provided by RefSeq, Nov 2009]

Product images:

