

Product datasheet for **KN209340**

SCP3 (SYCP3) 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: SCP3
Locus ID: 50511
Components: **KN209340G1**, SCP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTGGAATACTTTTTCCGG
KN209340G2, SCP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GTAAACTGATCTTCCACAGA
KN209340D, 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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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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ACTGCGGCA ACTTACTTCT GACAACGATC GGAGGACCGA AGGAGCTAAC CGCTTTTTTG CACAACATGG
GGGATCATGT AACTCGCCTT

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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_001177948](#), [NM_001177949](#), [NM_153694](#)

UniProt ID:

[Q8IZU3](#)

Synonyms:

COR1; SCP3; SPGF4

Summary:

This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010]

Product images:

