

Product datasheet for KN209340RB

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SCP3 (SYCP3) Human Gene Knockout Kit (CRISPR)

50511

Product data:

Locus ID:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA:RFP-BSDSymbol:SCP3

Components: KN209340G1, SCP3 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209340G2, SCP3 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209340RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

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: <u>NM 001177948</u>, <u>NM 001177949</u>, <u>NM 153694</u>

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

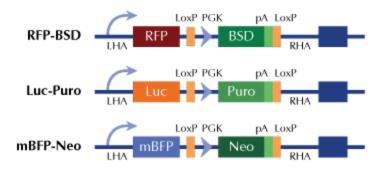
encode the same protein. [provided by RefSeq, May 2010]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter