

## Product datasheet for KN216783RB

#### OriGene Technologies, Inc.

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## SCP2 (SYCP2) Human Gene Knockout Kit (CRISPR)

#### **Product data:**

**Product Type:** Knockout Kits (CRISPR)

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

Donor DNA: RFP-BSD Symbol: SCP2 Locus ID: 10388

**Components: KN216783G1**, SCP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN216783G2, SCP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN216783RBD, 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:
 NM 014258

 UniProt ID:
 Q9BX26

Synonyms: SCP-2; SCP2

**Summary:** The synaptonemal complex is a proteinaceous structure that links homologous

chromosomes during the prophase of meiosis. The protein encoded by this gene is a major component of the synaptonemal complex and may bind DNA at scaffold attachment regions. The encoded protein requires synaptonemal complex protein 3, but not 1, for inclusion in the

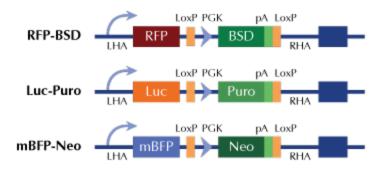
synaptonemal complex. [provided by RefSeq, Jul 2008]





# **Product images:**

### Donor Vector Edited Chromosome



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