

Product datasheet for KN208944RB

SOX9 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: Symbol: SOX9 6662 Locus ID:

KN208944G1, SOX9 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN208944G2, SOX9 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN208944RBD, 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 000346 **UniProt ID:** P48436

Synonyms: CMD1; CMPD1; SRA1; SRXX2; SRXY10

Summary: The protein encoded by this gene recognizes the sequence CCTTGAG along with other

members of the HMG-box class DNA-binding proteins. It acts during chondrocyte

differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene. Deficiencies lead to the skeletal malformation syndrome campomelic

dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008]



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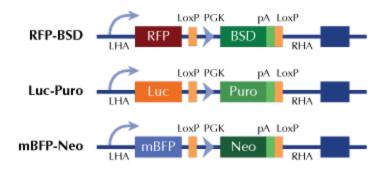
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Product images:

Donor Vector Edited Chromosome



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