

Product datasheet for KN208944LP

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SOX9 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: SOX9 Locus ID: 6662

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

GCTCGGACACCGAGAACACG

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

TCTGAAGAAGGAGAGCGAGG

KN208944LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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 000346</u>

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

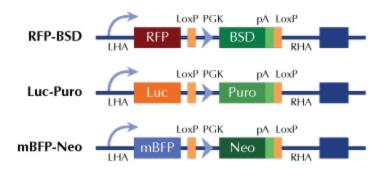
dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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