

## Product datasheet for **KN208944**

### SOX9 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:	SOX9
Locus ID:	6662
Components:	<p><b>KN208944G1</b>, SOX9 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTCGGACACCGAGAACACG</p> <p><b>KN208944G2</b>, SOX9 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCTGAAGAAGGAGAGCGAGG</p> <p><b>KN208944D</b>, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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 GGGGATCATG TAACTCGCCT T

**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]

Product images:

