

Product datasheet for **KN207577**

Steroidogenic Factor 1 (NR5A1) 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:	Steroidogenic Factor 1
Locus ID:	2516
Components:	KN207577G1 , Steroidogenic Factor 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CACACGTGAGCAGTCCGTAG KN207577G2 , Steroidogenic Factor 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ACACCTTGTCCTCCGCACACG KN207577D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

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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TGGCAACAAC GTTGCACAAA CTATTAACCTG GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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GATCATGTAA CTCGCCTT

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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_004959](#)

UniProt ID:

[Q13285](#)

Synonyms:

AD4BP; ELP; FTZ1; FTZF1; hSF-1; POF7; SF-1; SF1; SPGF8; SRXY3

Summary:

The protein encoded by this gene is a transcriptional activator involved in sex determination. The encoded protein binds DNA as a monomer. Defects in this gene are a cause of XY sex reversal with or without adrenal failure as well as adrenocortical insufficiency without ovarian defect. [provided by RefSeq, Jul 2008]

Product images:

