

Product datasheet for KN207577BN

OriGene Technologies, Inc.

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Steroidogenic Factor 1 (NR5A1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo

Symbol: Steroidogenic Factor 1

Locus ID: 2516

Components: KN207577G1, Steroidogenic Factor 1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN207577G2, Steroidogenic Factor 1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

 $\textbf{KN207577BND}, donor\ \mathsf{DNA}\ containing\ left\ and\ right\ homologous\ arms\ and\ \mathsf{mBFP-Neo}$

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 004959</u>

UniProt ID: Q13285

Synonyms: AD4BP; ELP; FTZ1; FTZF1; hSF-1; POF7; SF-1; SFGF8; 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

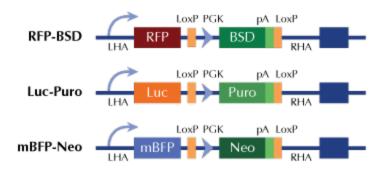
defect. [provided by RefSeq, Jul 2008]





Product images:

Donor Vector Edited Chromosome



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