

Product datasheet for KN204497BN

HSD3B1 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: HSD3B1

3283 Locus ID:

KN204497G1, HSD3B1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN204497G2, HSD3B1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN204497BND, donor DNA containing left and right homologous arms and 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: NM 000862, NM 001328615

UniProt ID: P14060

Synonyms: 3BETAHSD; HSD3B; HSDB3; HSDB3A; I; SDR11E1

Summary: The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of

> delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids. [provided by

RefSeq, Jun 2016]



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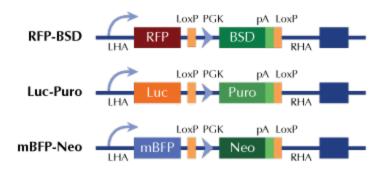
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Product images:

Donor Vector Edited Chromosome



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