

Product datasheet for KN221955RB

OVCA1 (DPH1) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR) Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control Donor DNA: **RFP-BSD** OVCA1 Symbol: Locus ID: 1801 **KN221955G1**, OVCA1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) **Components:** KN221955G2, OVCA1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN221955RBD, donor DNA containing left and right homologous arms and RFP-BSD 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 001383, NM 001346574, NM 001346575, NM 001346576, NR 144474, NR 144475, NR 144476 **UniProt ID:** Q9BZG8 DPH2L: DPH2L1: OVCA1 Synonyms: Summary: The protein encoded by this gene is an enzyme involved in the biosynthesis of diphthamide, a modified histidine found only in elongation factor-2 (EEF2). Diphthamide residues in EEF2 are targeted for ADP-ribosylation by diphtheria toxin and Pseudomonas exotoxin A. Defects in this gene have been associated with both ovarian cancer and autosomal recessive intellectual disability with short stature, craniofacial, and ectodermal anomalies. [provided by RefSeq, Oct 2016]

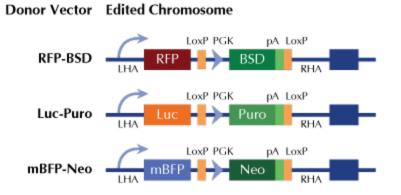


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Product images:



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

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