

## Product datasheet for **KN221955LP**

### OVCA1 (DPH1) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	OVCA1
Locus ID:	1801
Components:	<b>KN221955G1</b> , OVCA1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN221955G2</b> , OVCA1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN221955LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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:	<a href="#">NM_001383</a> , <a href="#">NM_001346574</a> , <a href="#">NM_001346575</a> , <a href="#">NM_001346576</a> , <a href="#">NR_144474</a> , <a href="#">NR_144475</a> , <a href="#">NR_144476</a>
UniProt ID:	<a href="#">Q9BZG8</a>
Synonyms:	DPH2L; DPH2L1; OVCA1
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:

