

Product datasheet for **KN201727RB**

XTP3TPA (DCTPP1) 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
Symbol:	XTP3TPA
Locus ID:	79077
Components:	KN201727G1 , XTP3TPA gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN201727G2 , XTP3TPA gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN201727RBD , 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_024096](#), [NR_134470](#), [NR_134471](#)

UniProt ID: [Q9H773](#)

Synonyms: CDA03; RS21C6; XTP3TPA

Summary: The protein encoded by this gene is dCTP pyrophosphatase, which converts dCTP to dCMP and inorganic pyrophosphate. The encoded protein also displays weak activity against dTTP and dATP, but none against dGTP. This protein may be responsible for eliminating excess dCTP after DNA synthesis and may prevent overmethylation of CpG islands. Three transcript variants, one protein-coding and the other two non-protein coding, have been found for this gene. [provided by RefSeq, Dec 2015]



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Product images:

