

## **Product datasheet for KN202047**

## **DDT Human Gene Knockout Kit (CRISPR)**

## **Product data:**

**Product Type:** Knockout Kits (CRISPR)

**Format:** 2 gRNA vectors, 1 GFP-puro donor, 1 scramble control

**Donor DNA:** GFP-puro

Symbol: DDT Locus ID: 1652

**Components:** KN202047G1, DDT gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202047G2, DDT gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202047D, donor DNA containing left and right homologous arms and GFP-puro 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 001084392</u>, <u>NM 001355</u>

UniProt ID: P30046
Synonyms: DDCT

**Summary:** D-dopachrome tautomerase converts D-dopachrome into 5,6-dihydroxyindole. The DDT gene

is related to the migration inhibitory factor (MIF) in terms of sequence, enzyme activity, and gene structure. DDT and MIF are closely linked on chromosome 22. [provided by RefSeq, Jul

2008]



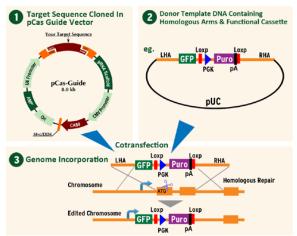
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## **Product images:**



Target gene knocked out, GFP under native gene promoter, Puro under PGK promoter