

Product datasheet for **KN204486**

TRP2 (DCT) 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:	TRP2
Locus ID:	1638
Components:	KN204486G1 , TRP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TCCACCGTCATGCAGACTCG KN204486G2 , TRP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGAGCAGAAACCCCAACAA KN204486D , donor DNA containing left and right homologous arms and GFP-puro functional cassette.

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 TACAGGCATC GTGGTGTAC GCTCGTCGTT TGGTATGGCT TCATTCAGCT CCGGTTCCCA ACGATC

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_001129889](#), [NM_001922](#), [NM_001322182](#), [NM_001322183](#), [NM_001322184](#),
[NM_001322185](#), [NM_001322186](#)

UniProt ID:

[P40126](#)

Synonyms:

TRP-2; TYRP2

Summary:

Catalyzes the conversion of L-dopachrome into 5,6-dihydroxyindole-2-carboxylic acid (DHICA) (PubMed:8306979). Involved in regulating eumelanin and pheomelanin levels.
 [UniProtKB/Swiss-Prot Function]

Product images:

