

Product datasheet for **KN204883**

CDX2 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:	CDX2
Locus ID:	1045
Components:	KN204883G1 , CDX2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CCTAGCTCCGTGCGCCACTC KN204883G2 , CDX2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGTTCTGCGGCCAGGTTG KN204883D , 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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GGGGATCATG TAACTCGCCT T

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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_001265](#), [NM_001354700](#)

UniProt ID:

[Q99626](#)

Synonyms:

CDX-3; CDX2/AS; CDX3

Summary:

This gene is a member of the caudal-related homeobox transcription factor gene family. The encoded protein is a major regulator of intestine-specific genes involved in cell growth and differentiation. This protein also plays a role in early embryonic development of the intestinal tract. Aberrant expression of this gene is associated with intestinal inflammation and tumorigenesis. [provided by RefSeq, Jan 2012]

Product images:

