

Product datasheet for **KN200024**

DBR1 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:	DBR1
Locus ID:	51163
Components:	<p>KN200024G1, DBR1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGATCTTATCCAGCTCGCCG</p> <p>KN200024G2, DBR1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: AGACGCTGGCGCTGGCAGAG</p> <p>KN200024D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

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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TGGCAACAAC GTTGCACAAA CTATTAAGCT GCGAACTACT TACTCTAGCT TCCCAGCAAC AATTAATAGA
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TAACACTGCG GCCAACTTAC TTCTGACAAC GATCGGAGGA CCGAAGGAGC TAACCGCTTT TTTGCACAAC
ATGGGGGATC ATGTAACCTG CCTT

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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_016216](#)

UniProt ID:

[Q9UK59](#)

Synonyms:

debranching enzyme homolog 1; debranching enzyme homolog 1 (*S. cerevisiae*); RNA lariat debranching enzyme

Summary:

The protein encoded by this gene is an RNA lariat debranching enzyme that hydrolyzes 2'-5' prime branched phosphodiester bonds. The encoded protein specifically targets the bonds at the branch point of excised lariat intron RNA, converting them to linear molecules that are then degraded. This protein may also be involved in retroviral replication. [provided by RefSeq, Nov 2011]

Product images:
