

Product datasheet for **KN205735**

WDR85 (DPH7) 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: WDR85
Locus ID: 92715
Components: **KN205735G1**, WDR85 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTCGGTGTCCACCGTTTGCA
KN205735G2, WDR85 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CGTGCGGGACCTACCAGCTG
KN205735D, 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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TGGGGGATCA TGTAACCTCG CTT

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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_138778](#), [NM_001346370](#), [NM_001346371](#), [NM_001346372](#), [NM_001346373](#),
[NM_001346374](#), [NM_001346375](#), [NM_001346376](#), [NM_001346377](#), [NM_001346378](#),
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[NM_001346394](#), [NM_001346395](#), [NM_001346396](#)

UniProt ID:

[Q9BTV6](#)

Synonyms:

C9orf112; RRT2; WDR85

Summary:

Diphthamide is a post-translationally modified histidine residue present in elongation factor 2, and is the target of diphtheria toxin. This gene encodes a protein that contains a WD-40 domain, and is thought to be involved in diphthamide biosynthesis. A similar protein in yeast functions as a methyltransferase, converting methylated diphthine to diphthine, which can then undergo amidation to produce diphthamide. [provided by RefSeq, Oct 2016]

Product images:

