

Product datasheet for **KN215341**

HCFC1 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:	HCFC1
Locus ID:	3054
Components:	<p>KN215341G1, HCFC1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: TGGCAAGTTGGCGGGCGACA</p> <p>KN215341G2, HCFC1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: GCTGGTCGGGTCCGGTGCCA</p> <p>KN215341D, 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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 GATCATGTAA CTCGCCTT

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_005334](#)

UniProt ID:

[P51610](#)

Synonyms:

CFF; HCF; HCF-1; HCF1; HFC1; MRX3; PPP1R89; VCAF

Summary:

This gene is a member of the host cell factor family and encodes a protein with five Kelch repeats, a fibronectin-like motif, and six HCF repeats, each of which contains a highly specific cleavage signal. This nuclear coactivator is proteolytically cleaved at one of the six possible sites, resulting in the creation of an N-terminal chain and the corresponding C-terminal chain. The final form of this protein consists of noncovalently bound N- and C-terminal chains. The protein is involved in control of the cell cycle and transcriptional regulation during herpes simplex virus infection. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008]

Product images:

