

Product datasheet for **KN206071**

RO60 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:	RO60
Locus ID:	6738
Components:	<p>KN206071G1, RO60 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGACATGAATCGACTACAC</p> <p>KN206071G2, RO60 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CAGATAGCCAATTCTCAGGA</p> <p>KN206071D, 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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AGAAGTAAGT TGGCCGAGT GTTATCACTC ATGGTTATGG CAGCACTGCA TAATTCTCTT ACTGTCATGC
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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_001042369](#), [NM_001042370](#), [NM_001173524](#), [NM_001173525](#), [NM_004600](#), [NR_033393](#), [NM_001331020](#)

UniProt ID:

[P10155](#)

Synonyms:

RO60; RORNP; SSA2

Summary:

RNA-binding protein that binds to misfolded non-coding RNAs, pre-5S rRNA, and several small cytoplasmic RNA molecules known as Y RNAs. May stabilize some of these RNAs and protect them from degradation (PubMed:18056422). Binds to endogenous Alu retroelements which are induced by type I interferon and stimulate porinflammatoxy cytokine secretion. Regulates the expression of Alu retroelements as well as inflammatory genes (PubMed:26382853).[UniProtKB/Swiss-Prot Function]

Product images:

