

Product datasheet for KN206071LP

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RO60 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control

Donor DNA: Luciferase-Puro

Symbol: RO60 Locus ID: 6738

Components: KN206071G1, RO60 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206071G2, RO60 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206071LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

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 porinflammaotry cytokine secretion.

Regulates the expression of Alu retroelements as well as inflammatory genes

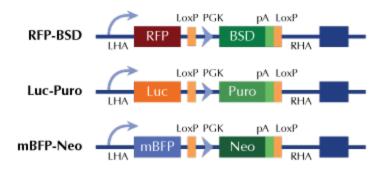
(PubMed:26382853).[UniProtKB/Swiss-Prot Function]





Product images:

Donor Vector Edited Chromosome



RFP, Luc, and mBFP will be under native gene promoter