

## Product datasheet for **KN206178LP**

### **C14orf142 (GON7) 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:	C14orf142
Locus ID:	84520
Components:	<b>KN206178G1</b> , C14orf142 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN206178G2</b> , C14orf142 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN206178LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , 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\\_032490](#)

**UniProt ID:** [Q9BXV9](#)

**Synonyms:** PNAS-127

**Summary:** Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. GON7 likely plays a supporting role to the catalytic subunit OSGEP in the complex. [UniProtKB/Swiss-Prot Function]



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## Product images:

