

Product datasheet for KN206178BN

OriGene Technologies, Inc.

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C14orf142 (GON7) Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control

Donor DNA: mBFP-Neo
Symbol: C14orf142
Locus ID: 84520

Components: KN206178G1, C14orf142 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN206178G2, C14orf142 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206178BND, donor DNA containing left and right homologous arms and mBFP-Neo

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 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.

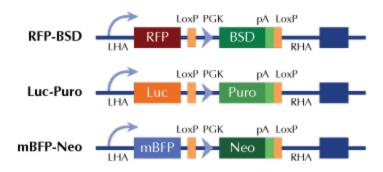
[UniProtKB/Swiss-Prot Function]





Product images:

Donor Vector Edited Chromosome



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