

Product datasheet for KN206903RB

CNOT1 Human Gene Knockout Kit (CRISPR)

Product data:

Product Type: Knockout Kits (CRISPR)

Format: 2 gRNA vectors, 1 RFP-BSD donor, 1 scramble control

Donor DNA: Symbol: CNOT1 Locus ID: 23019

KN206903G1, CNOT1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN206903G2, CNOT1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN206903RBD, donor DNA containing left and right homologous arms and RFP-BSD

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

NM 001265612, NM 016284, NM 206999, NR 049763 RefSeq:

UniProt ID: A5YKK6

Synonyms: AD-005; CDC39; NOT1; NOT1H

Summary: Scaffolding component of the CCR4-NOT complex which is one of the major cellular mRNA

> deadenylases and is linked to various cellular processes including bulk mRNA degradation, miRNA-mediated repression, translational repression during translational initiation and general transcription regulation. Additional complex functions may be a consequence of its influence on mRNA expression. Its scaffolding function implies its interaction with the catalytic complex module and diverse RNA-binding proteins mediating the complex recruitment to selected mRNA 3' UTRs. Involved in degradation of AU-rich element (ARE)containing mRNAs probably via association with ZFP36. Mediates the recruitment of the CCR4-NOT complex to miRNA targets and to the RISC complex via association with TNRC6A, TNRC6B or TNRC6C. Acts as a transcriptional repressor. Represses the ligand-dependent transcriptional activation by nuclear receptors. Involved in the maintenance of embryonic

stem (ES) cell identity.[UniProtKB/Swiss-Prot Function]



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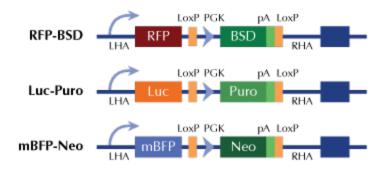
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Product images:

Donor Vector Edited Chromosome



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