

## 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:	RFP-BSD
Symbol:	CNOT1
Locus ID:	23019
Components:	<p><b>KN206903G1</b>, CNOT1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206903G2</b>, CNOT1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN206903RBD</b>, donor DNA containing left and right homologous arms and RFP-BSD functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<a href="#">NM_001265612</a> , <a href="#">NM_016284</a> , <a href="#">NM_206999</a> , <a href="#">NR_049763</a>
UniProt ID:	<a href="#">A5YKK6</a>
Synonyms:	AD-005; CDC39; NOT1; NOT1H
Summary:	<p>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]</p>



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## Product images:

