

Product datasheet for KN209293LP

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CNOT7 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: CNOT7 Locus ID: 29883

Components: KN209293G1, CNOT7 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN209293G2, CNOT7 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN209293LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

functional cassette.

GE100003, scramble sequence in pCas-Guide vector

RefSeq: NM 013354, NM 054026, NM 001322087, NM 001322088, NM 001322089, NM 001322090,

NM 001322091, NM 001322092, NM 001322093, NM 001322094, NM 001322095, NM 001322096, NM 001322097, NM 001322098, NM 001322099, NM 001322100

UniProt ID: Q9UIV1

Synonyms: CAF1; Caf1a; hCAF-1

Summary: The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation

protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The encoded protein downregulates the innate immune response and therefore provides a therapeutic target for enhancing its antimicrobial activity against foreign agents. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on

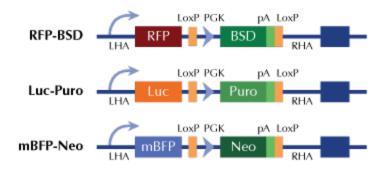
chromosomes 1 and X. [provided by RefSeq, Apr 2016]





Product images:

Donor Vector Edited Chromosome



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