

## Product datasheet for KN211430BN

#### OriGene Technologies, Inc.

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### CTIP2 (BCL11B) 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: CTIP2 Locus ID: 64919

**Components:** KN211430G1, CTIP2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

**KN211430G2**, CTIP2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN211430BND, 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: <u>NM 001282237, NM 001282238, NM 022898, NM 138576</u>

UniProt ID: Q9C0K0

Synonyms: ATL1; ATL1-alpha; ATL1-beta; ATL1-delta; ATL1-gamma; CTIP-2; CTIP2; hRIT1-alpha; RIT1;

7NF856B

Summary: This gene encodes a C2H2-type zinc finger protein and is closely related to BCL11A, a gene

whose translocation may be associated with B-cell malignancies. Although the specific function of this gene has not been determined, the encoded protein is known to be a

transcriptional repressor, and is regulated by the NURD nucleosome remodeling and histone deacetylase complex. Four alternatively spliced transcript variants encoding distinct isoforms

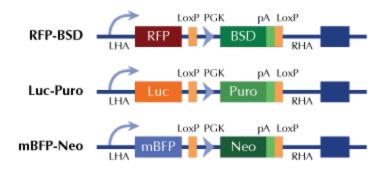
have been found for this gene. [provided by RefSeq, Aug 2013]





# **Product images:**

#### Donor Vector Edited Chromosome



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