

# 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

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;

ZNF856B

**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

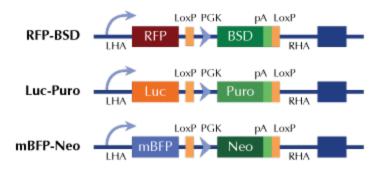
have been found for this gene. [provided by RefSeq, Aug 2013]





# **Product images:**

## Donor Vector Edited Chromosome



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