

Product datasheet for KN201242LP

OriGene Technologies, Inc.

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CD20 (MS4A1) 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: CD20 Locus ID: 931

Components: KN201242G1, CD20 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence:

GGCCCTATTGCTATGCAATC

KN201242G2, CD20 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence:

ATCCTCCTGAAGAGTGGTTT

KN201242LPD, donor DNA containing left and right homologous arms and Luciferase-Puro

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: NM 021950, NM 152866, NM 152867

UniProt ID: P11836

Synonyms: B1; Bp35; CD20; CVID5; LEU-16; MS4A2; S7

Summary: This gene encodes a member of the membrane-spanning 4A gene family. Members of this

nascent protein family are characterized by common structural features and similar

intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq,

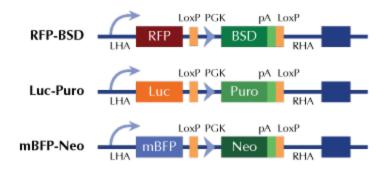
Jul 2008]





Product images:

Donor Vector Edited Chromosome



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