

Product datasheet for KN219458RB

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OriGene Technologies, Inc.

CD272 (BTLA) 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-BSE
Symbol: CD272
Locus ID: 151888

Components: KN219458G1, CD272 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN219458G2, CD272 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN219458RBD, donor DNA containing left and right homologous arms and RFP-BSD

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 001085357</u>, <u>NM 181780</u>

UniProt ID: Q7Z6A9

Synonyms: BTLA1; CD272

Summary: This gene encodes a member of the immunoglobulin superfamily. The encoded protein

contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid

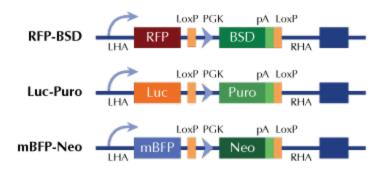
arthritis. [provided by RefSeq, Aug 2011]





Product images:

Donor Vector Edited Chromosome



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