

Product datasheet for KN200980LP

OriGene Technologies, Inc.

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CD71 (TFRC) 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: CD71 Locus ID: 7037

Components: KN200980G1, CD71 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN200980G2, CD71 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN200980LPD, 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: <u>NM 001128148, NM 001313965, NM 001313966, NM 003234</u>

UniProt ID: P02786

Synonyms: CD71; IMD46; p90; T9; TFR; TFR1; TR; TRFR

Summary: This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of

receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified. [provided by

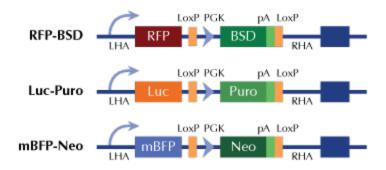
RefSeq, Sep 2015]





Product images:

Donor Vector Edited Chromosome



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