

Product datasheet for KN202152BN

OriGene Technologies, Inc.

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DR4 (TNFRSF10A) 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: DR4 Locus ID: 8797

Components: KN202152G1, DR4 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202152G2, DR4 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202152BND, 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 003844</u>

UniProt ID: 000220

Synonyms: APO2; CD261; DR4; TRAILR-1; TRAILR1

Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor

is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice

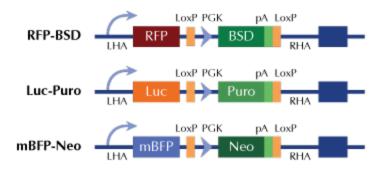
suggested that FADD, a death domain containing adaptor protein, is required for the

apoptosis mediated by this protein. [provided by RefSeq, Jul 2008]



Product images:

Donor Vector Edited Chromosome



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