

Product datasheet for KN221042RB

NAT1 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: NAT1 Symbol:

9 Locus ID:

KN221042G1, NAT1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) Components:

KN221042G2, NAT1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN221042RBD, 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.

NM 000662, NM 001160170, NM 001160171, NM 001160172, NM 001160173, RefSeq:

NM 001160174, NM 001160175, NM 001160176, NM 001160179, NM 001291962

UniProt ID: P18440

AAC1; MNAT; NAT-1; NATI Synonyms:

Summary: This gene is one of two arylamine N-acetyltransferase (NAT) genes in the human genome,

> and is orthologous to the mouse and rat Nat2 genes. The enzyme encoded by this gene catalyzes the transfer of an acetyl group from acetyl-CoA to various arylamine and hydrazine substrates. This enzyme helps metabolize drugs and other xenobiotics, and functions in folate catabolism. Multiple transcript variants encoding different isoforms have been found

for this gene. [provided by RefSeq, Aug 2011]



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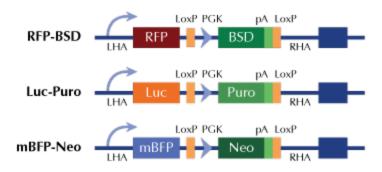
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Product images:

Donor Vector Edited Chromosome



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