

Product datasheet for **KN220378RB**

Neurofibromin (NF1) 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-BSD

Symbol: Neurofibromin

Locus ID: 4763

Components: **KN220378G1**, Neurofibromin gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN220378G2, Neurofibromin gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN220378RBD, 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: [NM_000267](#), [NM_001042492](#), [NM_001128147](#)

UniProt ID: [P21359](#)

Synonyms: NFNS; VRNF; WSS

Summary: This gene product appears to function as a negative regulator of the ras signal transduction pathway. Mutations in this gene have been linked to neurofibromatosis type 1, juvenile myelomonocytic leukemia and Watson syndrome. The mRNA for this gene is subject to RNA editing (CGA>UGA->Arg1306Term) resulting in premature translation termination. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. [provided by RefSeq, Jul 2008]



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Product images:

