

Product datasheet for **KN202957RB**

RTN4IP1 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: RTN4IP1

Locus ID: 84816

Components: **KN202957G1**, RTN4IP1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)
KN202957G2, RTN4IP1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)
KN202957RBD, 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_001318746](#), [NM_032730](#)

UniProt ID: [Q8WWV3](#)

Synonyms: NIMP; OPA10

Summary: This gene encodes a mitochondrial protein that interacts with reticulon 4, which is a potent inhibitor of regeneration following spinal cord injury. This interaction may be important for reticulon-induced inhibition of neurite growth. Mutations in this gene can cause optic atrophy 10, with or without ataxia, cognitive disability, and seizures. There is a pseudogene for this gene on chromosome 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]



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Product images:
