

Product datasheet for KN202889RB

Floudet datasileet for KN202009KL

NQO2 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-BSDSymbol:NQO2Locus ID:4835

Components: KN202889G1, NQO2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)

KN202889G2, NQO2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)

KN202889RBD, 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 000904, NM 001290221, NM 001290222, NM 001318940

UniProt ID: P16083

Synonyms: DHQV; DIA6; NMOR2; QR2

Summary: This gene encodes a member of the thioredoxin family of enzymes. It is a cytosolic and

ubiquitously expressed flavoprotein that catalyzes the two-electron reduction of quinone substrates and uses dihydronicotinamide riboside as a reducing coenzyme. Mutations in this gene have been associated with neurodegenerative diseases and several cancers. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]



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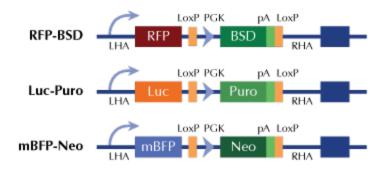
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Product images:

Donor Vector Edited Chromosome



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