

## Product datasheet for **KN202889LP**

### **NQO2 Human Gene Knockout Kit (CRISPR)**

#### **Product data:**

<b>Product Type:</b>	Knockout Kits (CRISPR)
<b>Format:</b>	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
<b>Donor DNA:</b>	Luciferase-Puro
<b>Symbol:</b>	NQO2
<b>Locus ID:</b>	4835
<b>Components:</b>	<b>KN202889G1</b> , NQO2 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN202889G2</b> , NQO2 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN202889LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
<b>Disclaimer:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_000904</a> , <a href="#">NM_001290221</a> , <a href="#">NM_001290222</a> , <a href="#">NM_001318940</a>
<b>UniProt ID:</b>	<a href="#">P16083</a>
<b>Synonyms:</b>	DHQV; DIA6; NMOR2; QR2
<b>Summary:</b>	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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## Product images:

