

Product datasheet for **KN311189**

Nqo1 Mouse Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 GFP-puro donor, 1 scramble control
Donor DNA:	GFP-puro
Symbol:	Nqo1
Locus ID:	18104
Components:	<p>KN311189G1, Nqo1 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002), Target Sequence: ATCATTCAACTACGCCATGA</p> <p>KN311189G2, Nqo1 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002), Target Sequence: CTGAATGGGCCAGTACAATC</p> <p>KN311189D, donor DNA containing left and right homologous arms and GFP-puro functional cassette.</p>

Homologous arm and GFP-puro sequences:

pUC vector backbone in gray; **Left arm sequence in blue**; **GFP-puro in green**; **Right arm in violet**

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 CAGGGCGCGT CAGCGGGTGT TGGCG

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_008706](#)

UniProt ID: [Q64669](#)

Synonyms: AV001255; Dia4; Dtd; Nmo-1; Nmo1; Nmor1; Ox-1; Ox1; Qr1

Summary: The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.[UniProtKB/Swiss-Prot Function]

Product images:

