

Product datasheet for **RN209963**

Nqo2 (NM_001004214) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nqo2 (NM_001004214) Rat Untagged Clone
Tag: Tag Free
Symbol: Nqo2
Synonyms: MGC94180
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209963 representing NM_001004214
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGGTAAGAAAGTGCTCCTTGCTATGCACACCAAGAACCAAGTCCTTCAATGGGTCCATGAAGC
AAGTGGCTGTTGAAGAACTGAGCAAGCAGGGATGCACAGTCACTGTGTCTGATTTATACCCATGAAGT
CGAGCCAAGGGCCACAAGAAACGATGTTACTGGTCCCTCTAATCCTGAAGTCTTCAAATATGGGATA
GAAGCCTATGAAGCCTACAAGAAGAAAGCTCTGACCAGTGACATACTTGAAGAGCAGAGAAAGGTGCAAG
AAGCTGATCTAGTGATATTTTCAGTTTCCACTATACTGGTTCAGCGTTCAGCAATCCTAAAAGGCTGGAT
GGATAGGGTGCTGTGCCAAGGGTTTGCCTTCGATGTCCCAGGCTTTTATGACTCTGGTTTTCTCAAGGAT
AACTAGCCCTCCTTTTCCCTTTACCACGGGAGGTACAGCAGAGATGTACACAAAAGCTGGGGTCAATGGAG
ATTTCCGGTACTTCTGTGGCCACTTCAGCATGGTACATTGCACTTCTGTGGATTTAAAGTCTTGCCCC
ACAGATCAGTTTTGGTCTGAAGTTTCATCAGAAGAACAAGAAAAGTGTGCTGGCATCATGGGTCCAG
CGGCTGAAGAGCATCTGGAAGGAAGAACCCATCCACTGCACACCCTTTGGTACTTCCAAGGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001004214
Insert Size: 696 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001004214.1</u> , <u>NP_001004214.1</u>
RefSeq Size:	1235 bp
RefSeq ORF:	696 bp
Locus ID:	291084
UniProt ID:	<u>Q6AY80</u>
Cytogenetics:	17p12
Gene Summary:	mouse homolog catalyzes the reduction of quinones and quinone derivatives; may protect against development of myelogenous hyperplasia , may contribute to menadione mediated hepatic toxicity [RGD, Feb 2006]