

Product datasheet for **RN201654**

Nqo1 (NM_017000) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nqo1 (NM_017000) Rat Untagged Clone
Tag: Tag Free
Symbol: Nqo1
Synonyms: Dia4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN201654 representing NM_017000
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGAGAAGAGCCCTGATTGTATTGGCCACGCAGAGAGGACATCATTCAACTATGCCATGAAGG
AGGCTGCTGTGGAGGCTCTGAAGAAGAAAGGATGGGAGGTGGTCGAATCTGACCTCTATGCTATGAACTT
TAACCCCTCATTCCAGAAACGACATCACAGGGGAGCCGAAGGACTCGGAGAACTTTCAGTACCCTGTT
GAGTCATCTCTGGCGTAAAGGAAGGCCCTGAGCCCGGATATTGTAGCTGAACAGAAAAAGCTGGAAG
CTGCAGACCTGGTGATATTTCAATTCCATTGTATTGGTTTGGGGTGGCCGCTTCTGAAAGGCTGGTT
TGAGAGAGTGCTTGTAGCAGGATTCGCCTACACGTATGCCACCATGTATGACAAGGGTCCCTTCCAGAAT
AAGAAGACCTTGCTTCCATCACACCGGGGCGAGCGGCTCCATGTACTCTCTGCAGGGTGTCCACGGGG
ACATGAACGTCATTCTCTGGCCAATTCAGAGTGGCATTCTGCGCTTCTGTGGCTTCCAGGTCTTAGAAC
TCAACTGGGTACAGCATTGGCCACACCCACCCGATGCCCGCTGCAGGTCTGGAAGGGTGAAGAAG
CGTCTGGAGACTGTCTGGGAGGAGTCACCACTCTACTTTGCTCCAAGCAGCTTGTGGACCTAACTTCC
AGGCAGGATCTTACTGAAAAAGAGGTTCAAGAGGAGCAGAAAAACAAGTTGGCCTTTCTGTGGG
CCATCATTTGGCAAGTCCATTCAGCCGACAACCAGATCAAAGCTAGAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1657_a11.zip
Restriction Sites: SgfI-MluI
ACCN: NM_017000



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Insert Size:	825 bp
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_017000.3</u> , <u>NP_058696.2</u>
RefSeq Size:	1480 bp
RefSeq ORF:	825 bp
Locus ID:	24314
UniProt ID:	<u>P05982</u>
Cytogenetics:	19q12
Gene Summary:	enzyme that acts as an antioxidant; involved in increasing neuronal damage after injury [RGD, Feb 2006]