

Product datasheet for **SC215464**

NQO1 (NM_001025433) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NQO1 (NM_001025433) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NQO1
Synonyms:	DHQU; DIA4; DTD; NMOR1; NMORI; QR1
ACCN:	NM_001025433
Insert Size:	1605 bp



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Insert Sequence: >SC215464 3'UTR clone of NM_001025433
 The sequence shown below is from the reference sequence of NM_001025433. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACTGACAACCAGATCAAAGCTAGAAAAATGAGATTCTTAGCCTGGATTTCCTTCTAACATGTTATCAAA
TCTGGGTATCTTTCCAGGCTTCCCTGACTTGCTTTAGTTTTTAAGATTTGTGTTTTCTTTTCCACAA
GGAATAAATGAGAGGGAATCGACTGTATTCGTGCATTTTTGGATCATTTTTAACTGATTCTTATGATTA
CTATCATGGCATATAACCAAAATCCGACTGGGCTCAAGAGGCCACTTAGGGAAAGATGTAGAAAGATGC
TAGAAAAATGTTCTTTAAAGGCATCTACACAATTAATTCCTCTTTTAGGGCTAAAGTTTTAGGGTAC
AGTTTGGCTAGGTATCATTCAACTCTCCAATGTTCTATTAATCACCTCTCTGTAGTTTATGGCAGAAGG
GAATTGCTCAGAGAAGGAAAAGACTGAATCTACCTGCCCTAAGGGACTTAACTTGTTGGTAGTTAGCC
ATCTAATGCTTGTATGATATTTCTTGCTTTCAATTACAAAGCAGTTACTAATATGCCTAGCACAAAGT
ACCACTCTTGGTCAGCTTTTGTGTTTATATACAGTACACAGATACCTTGAAAGGAAGAGCTAATAAAT
CTCTTCTTTGCTGCAGTCATCTACTTTTTTTTTAATTAATAAAAAAAAAATTTTTTTGAAAGCAGTCTTGCTC
TGTTACCCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCTGCCTCCCAGGTTCCAGCA
ATTCTCCTGCCTCAGCCTCCCTAGTAGCTGGGATGACAGGCGCCTGCCATCATGCCTGACTAATTTTTG
TATTTTTAGTAGAGACGGCGTTTACCATTGTTGGCCAGGCTGGTCTCAAACCTCTGACCTCAGGTGATC
CGCCTACCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGATCCACCACACCTGGCCCTTGCAATCTT
CTACTTTAAGGTTTGCAGAGATAAACCAATAAATCCACACCGTACATCTGCAATATGAATCAAGAAAG
GAAATAGTACCTTCAATACTTAAAAATAGTCTTCCACAAAAAATCTTTATTTCTGATCTATACAAAT
TTCAGAAGGTTATTTTCTTTATCATTGCTAAACTGATGACTTACTATGGGATGGGGTCCAGTCCCATGA
CCTTGGGTACAATTGTAACCTAGAGTTTTATCAACTTTGGTGAACAGTTTTGGCATAATAGTCAATT
TCTACTCTGGAAGTCATCTCATTCCACTGTTGGTATTATATAATTCAAGGAGAATATGATAAAACACT
GCCCTCTGTGGTGCATTGAAAGAAGAGATGAGAAATGATGAAAAGGTTGCCTGAAAAATGGGAGACAG
CCTCTTACTTGCCAAGAAAAATGAAGGGATTGGACCGAGCTGAAAAACCTCCTTTACCAGATGCTGACTG
GCACTGGTGGTTTTGCTCTCGACAGTATCCACAATAGCTGACGGCTGGGTGTTTCAGTTTGAAAAATAT
TTTGTGCTTCTTCACTGCAATTTTGTGTAATTTCTCAAAGATCTGAATTAATAAATAAATAAAT
CATTTCTACAGACCCACA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001025433.2](#)

Summary:

This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Locus ID:

1728

MW:

61.4