

Product datasheet for **SC215463**

NQO1 (NM_001025434) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	NQO1 (NM_001025434) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NQO1
Synonyms:	DHQU; DIA4; DTD; NMOR1; NMORI; QR1
ACCN:	NM_001025434
Insert Size:	1605 bp



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Insert Sequence:	<p>>SC215463 3'UTR clone of NM_001025434 The sequence shown below is from the reference sequence of NM_001025434. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC ACTGACAACCAGATCAAAGCTAGAAAAATGAGATTCTTAGCCTGGATTTCTTCTAACATGTTATCAAAA TCTGGGTATCTTTCCAGGCTTCCCTGACTTGCTTTAGTTTTTAAGATTTGTGTTTTCTTTTCCACAA GGAATAAATGAGAGGGAATCGACTGTATTCGTGCATTTTTGGATCATTTTAACTGATTCTTATGATTA CTATCATGGCATATAACCAAAATCCGACTGGGCTCAAGAGGCCACTTAGGGAAAGATGTAGAAAGATGC TAGAAAAATGTTCTTTAAAGGCATCTACACAATTAATTCCTCTTTTAGGGCTAAAGTTTTAGGGTAC AGTTTGGCTAGGTATCATTCAACTCTCCAATGTTCTATTAATCACCTCTCTGTAGTTTATGGCAGAAGG GAATTGCTCAGAGAAGGAAAAGACTGAATCTACCTGCCCTAAGGGACTTAACTTGTTGGTAGTTAGCC ATCTAATGCTTGTATGATATTTCTTGCTTTCAATTACAAAGCAGTTACTAATATGCCTAGCACAAAGT ACCACTCTTGGTCAGCTTTTGTGTTTATATACAGTACACAGATACCTTGAAAGGAAGAGCTAATAAAT CTCTTCTTTGCTGCAGTCATCTACTTTTTTTTTAATTAATAAAAAAAAAATTTTTTTTGAAGCAGTCTTGCTC TGTTACCCAGGCTGGAGTGCAGTGGTGTGATCTCGGCTCACTGCAACCTCTGCCTCCCAGGTTCCAGCA ATTCTCCTGCCTCAGCCTCCCTAGTAGCTGGGATGACAGGCGCCTGCCATCATGCCTGACTAATTTTTG TATTTTTAGTAGAGACGGCGTTTACCATTGTTGGCCAGGCTGGTCTCAAACCTCTGACCTCAGGTGATC CGCCTACCTCAGCCTCCCAAAGTGTGGGATTACAGGCGTGATCCACCACACCTGGCCCTTGCAATCTT CTACTTTAAGGTTTGCAGAGATAAACCAATAAATCCACACCGTACATCTGCAATATGAATCAAGAAAG GAAATAGTACCTTCAATACTTAAAAATAGTCTTCCACAAAAAATCTTTATTTCTGATCTATACAAAT TTCAGAAGGTTATTTTCTTTATCATTGCTAAACTGATGACTTACTATGGGATGGGGTCCAGTCCCATGA CCTTGGGTACAATTGTAACCTAGAGTTTTATCAACTTTGGTGAACAGTTTTGGCATAATAGTCAATT TCTACTCTGGAAGTCATCTCATTCCACTGTTGGTATTATATAATTCAAGGAGAATATGATAAAACACT GCCCTCTGTGGTGCATTGAAAGAAGAGATGAGAAATGATGAAAAGGTTGCCTGAAAAATGGGAGACAG CCTCTTACTTGCCAAGAAAAATGAAGGGATTGGACCGAGCTGAAAAACCTCCTTTACCAGATGCTGACTG GCACTGGTGGTTTTGCTCTCGACAGTATCCACAATAGCTGACGGCTGGGTGTTTCAGTTTGAAAAATAT TTTGTGCTTCTTCACTGCAATTTTGTGTAATTTCTCAAAGATCTGAATTAATAAATAAATAAAT CATTTCTACAGACCCACA ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-Mlul
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_001025434.2

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