

Product datasheet for MC200234

Nqo1 (BC004579) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nqo1 (BC004579) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nqo1
Synonyms: QR1, NMO1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004579
 GCCTGTAGCCAGTCTAAGGATCTCTCCGAAGAGCTTTAGGGTCGTCTTGCCAACCAGCTGCCTCAGCCAA
 TCAGCGTTCCGGTATTACGATCCTCCCTCAACATCTGGAGCCATGGCGGCAGAGAAGAGCCCTGATTGTACT
 GGCCCATTCAGAGAAGACATCATTCAACTACGCCATGAAGGAGGCTGCTGTAGAGGCTCTGAAGAAGAGA
 GGATGGGAGGTAAGTCTGAATCTGACCTCTATGCTATGAACTTCAACCCCATCATTTCCAGAAATGACATCA
 CAGGTGAGCTGAAGGACTCGAAGAACTTTCAGTATCCTTCCGAGTCATCTCTAGCACATAAGGAAGGACG
 CCTGAGCCAGATATTGTGGCCGAACACAAGAAGCTGGAAGCTGCAGACCTGGTGATATTTTCAGTTCCCA
 TTGCACTGGTTTGGGGTCCAGCCATTCTGAAAGGCTGGTTTGAGAGAGTCTCGTAGCAGGATTTGCCT
 ACACATATGCTGCCATGTACGACAACGGTCCCTTCCAGAATAAGAAGACCTTGCTTTCTATCACCCTGG
 GGGTAGCGGCTCCATGTACTCTTTCAGGGTGTCCACGGGACATGAACGTCATTCTCTGGCCGATTTCAG
 AGTGGCATCCTGCGTTTCTGTGGCTTCCAGGTCTTAGAACCTCAACTGGTTTACAGCATTGGCCCACTC
 CGCCAGATGCCCGCATGCAGATCCTGGAAGGATGGAAGAAACGCTGGAACCGTCTGGGAGGAGACCCC
 ACTCTATTTTGTCTCAAGCAGCCTGTTTGCCTAACTTTTCAGGCAGGATTTCTAATGAAAAAGGAAGTT
 CAAGAGGAGCAGAAGAAGAAACAAGTTTGGCCTCTCTGTAGGCCATCACCTGGGCAAGTCCATTCCAGCTG
 ACAACCAGATCAAAGCTAGAAAAAAGGATTTTTTCTAACATATAGTTAGACGCAGCTTTCTTTTTCC
 CCAGCTTGCTGACTTGCTTTTCAATTTTTTCTTTGCTCCACAAGGATGGGAAAAGGAGTAAGTTTGCTT
 CATGCTTTTTTTTTTTTTTTTTTTTGTAGTTCTGCCATAACAACAAAATGAATGAAGTCAGATTAGGA
 GCCTCAGGGCAAGGTGCAGAAGCGAGCTGAAAAACTCTTTTAGGTCATTTATGCACTATTTGCCATTT
 TCTCCGGGCTAGTCCAGTTAGATGGCATCCAGTCTCCATCAAGATTGTTGTCTATAATTACCTCTCT
 GTGGTTTAGGGCAGAAGGGAATTGCTCAAAGTAAACAATGGCCGAGGGACTAACTTGTTTAGCAGTTAGC
 AGTTAGCTAAAGCCTGTTTATGATACATCCTGGTTTCAATTAAGTGTGCACTGACTGACATGGCGCCAGG
 GGGTTGGCTCTCCAGCTTTTTCTGTCTGTACACAGCACACCCAGGTCCTGGGAAAAGGAATTTTAAAC
 AGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC004579



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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>BC004579</u> , <u>AAH04579</u>
RefSeq Size:	1506 bp
RefSeq ORF:	825 bp
Locus ID:	18104
Cytogenetics:	8 54.08 cM
Gene 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]