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# Product datasheet for SC208094

## Retinol dehydrogenase 16 (RDH16) (NM_003708) Human 3' UTR Clone

### Product data:

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|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | Retinol dehydrogenase 16 (RDH16) (NM_003708) Human 3' UTR Clone |
| **Symbol:** | Retinol dehydrogenase 16 |
| **Synonyms:** | hRDH-E; RODH-4; SDR9C8 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_003708 |
| **Insert Size:** | 628 bp |
| **Insert Sequence:** | >SC208094 3'UTR clone of NM_003708<br>The sequence shown below is from the reference sequence of NM_003708. The complete sequence of this clone may contain minor differences, such as SNPs.<br>Blue=Stop Codon Red=Cloning site<br><br>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG<br>TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC<br>GTCTCTCCAAGCCCGGCCAAGGCTCTATGAAGCTAAGGTTGGATGCATGGTTGCATGGATTTGGGGTGT<br>GCTATGAGGGGTGGTGTATCCTTGGGAGAGATATAAAGTGGAGGGAGGGAGCCGTCCGGTCAGTAGGGC<br>ACCAATCCCACCTCCTTCATTACCTCCTGGCCATGATTCTCCTGGGAGATAATTCTGCTCTCTGGAGAT<br>GTTGGTAGGAAAGTTTCAAGTTACGCAGCTGAGAAACAGGGACCAAATAGTGCTCCTGGGTGCATTGTC<br>ACCGTGGGTGGCCACTCAAGGGTCCAAGCCTCTAGGGCCATCCTTGGGCTAACAACTGGGGTGGGTGTG<br>AGCAGGTGGAAGGAGCCTCAGCCCATGCCATTACCTCCTGCTTCCTTATCAGGCTGTGTGTTAATTCTG<br>GGCCAGTCTACACCCTCCCACGGGGTGGAAATGGCCTGGAGGATGTGAGGGCACCCCTCCTCTGAAGAT<br>CCCTGTACACGTGGTGTTGGGACTGGAACCATTATGCGGCCCCATAGGCCTCAGGAGTCATCCCAGAAG<br>CAGTGGCTGGGAGGTGGTGTCCTAAGTAAGGATCTGTGCAGAGGACAAATAAATCAGTTTTTGATTTGT<br>CTTGAAA<br>ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA<br>CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG |
| **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). |

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| **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_003708.5 |
| **Summary:** | Oxidoreductase with a preference for NAD. Oxidizes all-trans-retinol, 9-cis-retinol, 11-cis-retinol and 13-cis-retinol to the corresponding aldehydes (PubMed:10329026, PubMed:12534290, PubMed:9677409). Has higher activity towards CRBP-bound retinol than with free retinol (PubMed:12534290). Oxidizes also 3-alpha-hydroxysteroids. Oxidizes androstanediol and androsterone to dihydrotestosterone and androstanedione. Can also catalyze the reverse reaction (PubMed:10329026, PubMed:9677409, PubMed:29541409). [UniProtKB/Swiss-Prot Function] |
| **Locus ID:** | 8608 |
| **MW:** | 22 |