

Product datasheet for **MC203549**

Rdh13 (NM_175372) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rdh13 (NM_175372) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rdh13
Synonyms:	8430425D21Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC082583
 TTCACGCTACTCGAGCGCACGTGGGTTCTGGGCAGCGCGTTTCGTCCGCGGAGTGGCCTGGAGTGCAGAC
 CCACGGACACCCTTTTCCCCAGCCTGGGATGAGCCGCTTCTGCTGCCGGTGTCCGTAGTGGGCACGGTG
 ATCGGCGGCACCGTGTCTCAAGGACTATGTCGCTGGTGGGCTTGTCCAGCAAGGCCACCATACTG
 GGAAGACTGTTATCGTGACAGGACCAACACAGGCATCGGAAACAACTGCTTTGGAGCTGGTAAAAG
 AGGAGGCAACGTCATTCTGGCCTGTCTGACATGGAGAAGTGCAGGTGGCTGCAAAGGACATTCGAGGA
 GAGACCTTGAATCCCCGCGTACGTGCTAACGCCTAGACTTGGCTTCCCTCAAGTCCATCCGAGAGTTTG
 CAAGGAAGGTCATTAAGAGAGGAGCGAGTAGACATTCTGGTCAACAACGCAGCCGTGATGCGGTGCC
 ACACTGGACCACTGAGGATGGCTTTGAGATGCAGTTTGGTGTCAACTACTTGGGGCATTCTATTGACA
 AATTTGCTGTTGGACAAGCTGAAGGCCTCGGCCCATCACGCATCATCAATCTCTGCTCCCTGGCTCACG
 TTGCTGGGCACATAGACTTCGAGGACTTGAAGTGGCAGATGAAAAAGTATGACACCAAGGCAGCCTACTG
 CCAGAGCAAGTTGGCTGTTGCTCTTCCACCAAGGAGCTGAGCCACCGGCTGCAAGGCTCTGGTGTGACG
 GTCATGCACTGCACCCTGGTGTGGCCAGGACAGAGCTGGGGCGACATACGGGCATGCACAACCTGCTCT
 TCTCTGGCTTCATGCTTGGGCCCTTCTTCTGGCTGCTGTTCAAGAGTCCCAGCTGGCGGCCAGCCAG
 CACATATCTGGCCGTGGCAGAAGAACTGGAGAATGTTTCGGGAAAGTACTTTGATGGACTCAGAGAGAAG
 GCTCCATCTCCTGAGGCTGAAGATGAGGAAGTAGCCCGCAGACTTTGGACGGAAAGTGCCCGTTTGGTGG
 GCTTGGCCATGGCTCATGGATCCCCTGGGAGAGGACATGCCATCCCAGATAACCTTCAGAGACCCAGAT
 GGAGCTGTGTTACCAAGACTGCTGCTGGCCATGCTCTCATCATCTCTAGGGGCAGTATTGGTACTATTA
 GAATCTCAAGACTGTGGATGTTGGCTGCCATGCTCTCATCATCTTTAGGGACAGTGTGCACTGTTAGA
 ACTCAAGTCTGTGGATGCTGGCTGCTATGCCCTCATCATCTCTAGTGGCAATGTTAGTTCTAGCATT
 ATCGTTAGCTGGCTACATTGAGTTGGACCACAGGTAGGCACTGGCTCAGGGGATGGCAGGTCCATGACT
 CTGTTGGTTACTGGGAGATGGTCCATCAGTGCCTCTTTAGGAATCTAAAAGGGGAGGCTGATAGGGG
 AGACACTCACTCTGGTTATGGGCAAGTGTCCAAAGACAGTGGACACCAAGCTGCTGTGGTGGACTGATTG
 GCTACTGTAAAGAGCAGGCATAGCTATAGATTTTGTGGGCCCTTATACTCCTGCCTCTCTGTA
 CTTGGCTGTTGTTCTAGTTGCTTCTGTTGCTGTGATAAACACCATGACCAAAATCAACCTGGGGAGAA
 AAAGGGCTTATTTAACTCACAGTTATAGTTTATCATGGAAGAGGCAAGCCAGGGCAGGAACTCAGGACA
 GTAACCTGAAGCAGATACCAATGGAGGTGTGCTCACAGGCATATGTCAGGTACCTTGCTTTATTTTTAT
 TATTATTATTATCTTTTTTTTTTTTTTTTTTTTTTTTTTACAGAGAGGGTCTCACTTTGTAACCTGGC
 CTTCTGGAACCTGCTATGTAGACTAGGCTGGCCTTGAACCTCACAGAGATCTGCCATGCCTGGAATTA
 AAGCATGTATTACTATGCCTGTCCAGGTACCTGTGCAGGCCTACCTGTCCAAGGATGGCACCATCCACAG
 TGGGCGTCTACCTCCTACATCAGCTAGCAATCAAGAAAATGCTCCACAGACAATCCCTCAGGACAGTCTG
 GCTAAGCAGCTTTCACATGAGGGTCTCTCTCTGCTTTTACGAATGTCAGGTTGACAAAAATGAACCA
 GACAGCTCTTGATTGCAAACTGCAAAAGGTCACCTGCTCCCTAAGGATGGTGTGGGTCTGAAGCTCTCGC
 CAGACTCAGAAAGGGCAGCCGTGGACACCTTGTGTGCTGGACAGTGGCTGTGATCCAGTGGAAACCTGG
 CAGACCTGTCTTGGTTAGCCCCGAAGTGTCTCAGGACAGAGTGGGATGAAAAGCTGCTAGCTGCTGCCAC
 AGAAAACCAGCGTGACCTAGGATCAGGATCTCTCCAATCCTGTGTAATTTAACTGTAGACTCTTAAGC
 TTGTTGTTGATTACAGTAACATGTTAGGGGTAGTGGCACATATCGGTAACCTCCAGCACTTAAGAGGGAG
 AGGCAGGAGGATCAAGAGTTCAAGGCCATCCTCTGCCAGCTTGGGCTATACAAGATCCTGTTAAAGCAA
 GCAAAACAGTGAAATCTCTAAACAGCTGATTCATAGATTTAAAAATAAAAATGTTTATTTAGAGTGTGAGT
 GTATATGTACATGTATGTGCACATGCCCTTGTATGTGCATTATGATGGAGGTGAGAGGACAACTGTGG
 GAATCTGGTCCCTCCTTGTGAGTTCCTGAGGATCCAACCTCAGTTAGGCTTGGTAGCGAGGCGCTTACCT
 CTGACCCATAGTGGCAGCTCTGAGTCTAGGTTTTAGTTTATCCTTCTATATGGACTATGTGGTTACGGC
 TAAACTGAACTCCCAGTCTCCTTGTCTTGGCCTCTGGGGTCCAGAGATTACAGGTGCGCCACACCCTG
 TGTTTACAATCAATGTTAACATTCAAATAAATGGAAATAAGCATTCTGTCAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Ascl-NotI
ACCN: NM_175372
Insert Size: 1005 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:	BC082583 , AAH82583
RefSeq Size:	3055 bp
RefSeq ORF:	1005 bp
Locus ID:	108841
UniProt ID:	Q8CEE7
Cytogenetics:	7 A1
Gene Summary:	<p>Retinol dehydrogenase with a clear preference for NADP. Oxidizes all-trans-retinol, but seems to reduce all-trans-retinal with much higher efficiency. Has no activity towards steroid. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>