

Product datasheet for **MC204456**

Rdh10 (NM_133832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rdh10 (NM_133832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rdh10
Synonyms:	3110069K09Rik; 4921506A21Rik; A1875664; AW549993; D1Ert762e; m366Asp
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019796
 CTCGGGGGCGGACTCCGGGCGCAGCCTTCGCGTCCGGATCGCGGTGACAAGCGCCTCCGGGGCCAGGAGC
 TGGGCTGTCTGGCGCAGGGAGAGTGAGGACACGGTGTGGGCTGCTGCGGGACCCGGGGCGTCCGGATGA
 ACATCGTAGTGGAGTTCTTCGTGGTCACTTTCAAAGTGTGTGGGCGTTCGTGCTGGCCGCGGCGCGCTG
 GCTGGTGGGCCAAAGGAGAAGAGCGTGGCCGGCCAGGTGTGCCTCATCACGGGCGCGGGCAGCGGCCTG
 GGCCCGCTCTTTGCTCTCGAGTTCGCCCCGGCGCGGGCGCTGCTGGTTCTCTGGGACATCAACACGCAGA
 GCAATGAGGAGACCCGAGGCATGGTTCCGCACATCTACCGGGACCTGGAGGCGCGGACGCTGCTGCTCT
 GCAAGCTGGAAAAGGTGAGGAGGAAATCCTGCCCCGTGTAACCTACAGTTTTTTACCTACACTGTGAC
 GTGGGGAAGAGAGAATGTCTACCTGACAGCTGAAAGGGTCCGCAAGGAGGTTGGCGAGGTCTCGGTCC
 TGGTCAATAATGCTGGTGTGGTTTCTGGACATCACCTTCTGGAATGTCCTGATGAGCTCATTGAAAGAAC
 CATGATGGTCAACTGCCACGCACACTTCTGGACCACTAAGGCCTTTCTTCCAACGATGCTAGAGATTAAT
 CATGGCCACATTGTGACGGTCCGAGACTCCCTGGGACTGTTCCAGCACTGCTGGAGTTGAGGATTACTGTG
 CCAGTAAATTTGGAGTTGTGGGTTTTACGAGTCTCTGAGCCATGAGCTAAAGGCTGCTGAAAAGGATGG
 AATTAACAACCTCTGGTTTGCCTTACCTTGTAGACACGGGCATGTTCCAGAGGCTGCCGAATCAGAAAA
 GAAATTGAGCCCTTTTTGCCCCCTTGAAGCCTGATTACTGTGTGAAGCAGGCTATGAGGGCCATCTCTCA
 CTGACCAGCCCATGGTCTGCACGCCCGCCTCATGTACATCGTGACATTATGAAGAGCATCCTTCTCTTT
 TGAAGCCGTGCTGTGCATGTATCGATTTCTAGGAGCGGACAAGTGTATGTATCCCTTTATTGCTCAAAGA
 AAACAAGCCACAAACAACATGAAGCAAAAAATGGAATCTAAGAGTGTTTTTGTACGGAGTGCCGTTTCT
 ATCAGGATAGGTGGTCCGTGCGCATCAATCAGTACTGACGGTCTGGATTCTAACCCCATGCCGACTCTTT
 TTTTTTTTTTCTAATCAACTTTTTAAAAATAAAGTGTAAATTAAGTACTAGTGTGCTTGAAAAGTGT
 GAGCTTGGGTTTTTGGCAATGGGGTCTTTTCTAGACAGGGCCCTAAAAATGAGTCCAATATTTAGACAAA
 CACTATGTTACATCATTATTTTTTAATGAACATAAAGTCTAGAAATGATGACTACAGTGTGTTTACGCT
 GGGTCCACAGAAATTGATTCATTATCGTGGAAAGCCAGCCAGCATTCAAGGACCGACAGTGTAGT
 GCTCTGTTGTGTTCTCGGTTCTTCTCCTGCAAGCCTGGGTGGCTTGCTTATGGTGTCTGTGGATTTTTTG
 ATGTCAGTTTGTAGATCAGCGTAGTCTGAGCATCAATGAAGGCCACCAGTCTCTTTCTTAACTTACAG
 TACTAAATATTGGGTGATTTTCAAATTCAGTCTCTGAAATACTAAATTAATGTTTAGAGACCTGGTTA
 ATCCACGTTTGTACATTTTCTACCTGTGAATCTTGCTGCATATAGAAAGTCCCTTTCTCACGGAGCTG
 CAAACTTGTGTTAGGGGAGGAAGTGGGGGATCTTGCTACAGGACACAGCAGCTCCACAGAGATAATGGG
 AATTTCTGATTAAGAAAGTCCCGTACTTGTGCCAACTTTAATTAGCTTGGGGAGCAAATCTTATATGGAG
 TGTTGTGGAAGGGTGGAAAGATTTCTTTGAAAAGTTTATTCACATTGTAGAACAGCAAATGACATTTTTTA
 CAGTATTTTTTTGTAAGCAAACATTTTTGTGCCTTGAATTTGGTATATGTGATTAGTGAACATTGTA
 AAAGTGAATTTCTACCTCTGTATCTATGTGTACCATCCTTGTAAATTAATGAACTACTATGTGATT
 GCTTCTGTTTGTGTTCTAGGATGTCTTTTTAAATAGTGACCAATGTTTAAGGCTGTTAAATAAGCC
 AACTTTTACAAATCGGGACGTTTTCTAAAGAACTGATTAATACGTACATAACTGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_133832

Insert Size: 1026 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:

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: [BC019796](#), [AAH19796](#)

RefSeq Size: 2310 bp

RefSeq ORF: 1026 bp

Locus ID: 98711

UniProt ID: [Q8VCH7](#)

Cytogenetics: 1 4.94 cM

Gene Summary: Retinol dehydrogenase with a clear preference for NADP. Converts all-trans-retinol to all-trans-retinal. Has no detectable activity towards 11-cis-retinol, 9-cis-retinol and 13-cis-retinol (By similarity). Required for normal embryonic development.[UniProtKB/Swiss-Prot Function]