

Product datasheet for **MC217923**

Rdh12 (BC016204) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdh12 (BC016204) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rdh12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC016204
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGTTTATCTTGGTACTGCTTACGTCCTTCTCCATCTTGTATCTGACAGCTCCATCCATCAGGA
AGTTCTTTGCTGGTGGAGTTTGTACAACAATGTCCAGATCCCAGGGAAGGTAGTGGTCATCACAGGTGC
CAACACAGGCATTGGCAAGGAGACGCCAGAGAGCTTGCTCGAAGAGGAGCAGAGTATACATTGCTTGC
CGAGATGTGCTGAAGGGAGAGTCTGCTGCTAGTGAATCCGAGCAGATACCAAGAACTCCCAGGTGCTAG
TGCGGAAATTGGACCTGTCTGACACCAAATCCATCCGAGCCTTTGCTGAACGCTTCTAGCAGGAGTGAT
GATGTGCCATATTCTAAGACAACAGATGGCTTTGAGACCCACTTTGGAGTCAACCACCTGGGACACTTT
CTTCTTACATACCTGCTGTTGGAGAGGCTGAAGGAGTCTGCTCCCGCACGGGTGGTCAACCTTCTCCTCA
TAGCTCACCTGATTGGCAAGATCCGTTTCCATGACCTCCAAGGCCAGAAACGATACTGCAGTGTCTTTGC
CTATGGCCACAGCAAGCTGGCCAATCTGCTTCTCACTCGAGAAGTGGCTAAGCGGCTCCAAGGGACTGGA
GTCACCGCCTATGCGGTTACCCGGGCGTTGTATTGTGAGAGATCACCAGGAACCTACCTGCTGTGTT
TGCTATGGCGGCTCTTCTCACCTTCTCAAGTCCACTTCTCAGGGGGCTCAGACCAGCCTGCAGTGTGC
TCTGGCGGAGGACCTAGAGCCCCTGAGTGGAAAGTACTTCACTGACTGCAAGAGGATGTGGGTATCCTCA
AGGGCCCAGAACAGAAAACAGCTGAGCGATTGTGGAACGTCAGCTGCGAGCTTCTAGGAATCCAGTGGG
AATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC016204
Insert Size: 915 bp



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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:	BC016204 , AAH16204
RefSeq Size:	1659 bp
RefSeq ORF:	914 bp
Locus ID:	77974
Cytogenetics:	12 C3
Gene Summary:	The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in the human gene are associated with Leber congenital amaurosis type 13, and Retinitis Pigmentosa 53. [provided by RefSeq, Sep 2015]