

## Product datasheet for **MC226890**

### **Rdh13 (NM\_001290409) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rdh13 (NM\_001290409) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rdh13  
**Synonyms:** 8430425D21Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226890 representing NM\_001290409  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGCCGCTTTCTGCTGCCGGTGTCCTAGTGGGCACGGTGATCGGCCGCCACCGTGTCTCAAGGACT  
ATGTCGCTGGTGGGCTTGTCAGCAAGGCCACCATACCTGGGAAGACTGTTATCGTGACAGGAGCCAA  
CACAGGCATCGGAAACAACTGCTTTGGAGCTGGCTAAAAGAGGAGGCAACGTCATTCTGGCCTGTCGT  
GACATGGAGAAGTGCGAGGTGGCTGCAAAGGACATTCGAGGAGAGACCTTGAATCCCCGCGTACGTGCTG  
AACGCCTAGACTTGGCTCCCTCAAGTCCATCCGAGAGTTTGCAAGGAAGTTCATTAAAGGGCATTCTTCT  
ATTGACAAATTTGCTGTTGGACAAGCTGAAGGCCTCGGCCCATCACGCATCATCAATCTCTCGTCCCTG  
GCTCACGTTGCTGGGCACATAGACTTCGAGGACTTGAAGTGGCAGATGAAAAAGTATGACACCAAGGCAG  
CCTACTGCCAGAGCAAGTTGGCTGTTGTCCTCTCACCAAGGAGCTGAGCCACCGGCTGCAAGGCTCTGG  
TGTGACGGTCAATGCACTGCACCCTGGTGTGGCCAGGACAGACTGGGGCGACATACGGGCATGCACAAC  
TCTGCCTTCTCTGGCTTCATGCTTGGCCCTTCTCTGGCTGCTGTTCAAGAGTCCCCAGCTGGCCGCC  
AGCCCAGCACATATCTGGCCGTGGCAGAAGAAGTGGAGAATGTTTCGGGGAAGTACTTTGATGGACTCAG  
AGAGAAGGCTCCATCTCCTGAGGCTGAAGATGAGGAAGTAGCCCCGAGACTTTGGACGGAAGTGCCCGT  
TTGGTGGGCTTGCCATGGCTCATGGATCCCCTGGGAGAGGACATGCCATTCCCAGAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290409  
**Insert Size:** 900 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001290409.1</a></u> , <u><a href="#">NP_001277338.1</a></u>
<b>RefSeq Size:</b>	2939 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	108841
<b>UniProt ID:</b>	<u><a href="#">Q8CEE7</a></u>
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	<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 (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p> <p>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>