

Product datasheet for **MC226661**

Rdh13 (NM_001290411) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdh13 (NM_001290411) 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: >MC226661 representing NM_001290411
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGAAGTGCAGGTGGCTGCAAAGGACATTCGAGGAGAGACCTTGAATCCCCCGGTACGTGCTGAAC
GCCTAGACTTGGCTTCCCTCAAGTCCATCCGAGAGTTTGAAGGAAGGTCATTAAGAGGAGGAGCGAGT
AGACATTCCTGGTCAACAACGCAGCCGTGATGCGGTGCCACACTGGACCACTGAGGATGGCTTTGAGATG
CAGTTTGGTGTAACACTTGGGGCATTCTATTGACAAATTTGCTGTTGGACAAGCTGAAGGCCCTCGG
CCCCATCACGCATCATCAATCTCTCGTCCCTGGCTCACGTTGCTGGGCACATAGACTTCGAGGACTTGAA
CTGGCAGATGAAAAAGTATGACACCAAGGCAGCCTACTGCCAGAGCAAGTTGGCTGTTGCTCTTACC
AAGGAGCTGAGCCACCGCTGCAAGGCTCTGGTGTGACGGTCAATGCACTGCACCCTGGTGTGGCCAGGA
CAGAGCTGGGGCGACATACGGGCATGCACAACCTGCCTTCTCTGGCTTCATGCTTGGGCCCTTCTTCTG
GCTGCTGTTCAAGAGTCCCAGCTGGCGGCCAGCCAGCACATATCTGGCCGTGGCAGAAGAAGTGGAG
AATGTTTCGGGAAGTACTTTGATGGACTCAGAGAGAAGGCTCCATCTCCTGAGGCTGAAGATGAGGAAG
TAGCCCCGAGACTTTGGACGAAAGTGCCGTTTGGTGGCTTGGCCATGGCTCATGGATCCCCTGGGAG
AGGACATGCCATTCCAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290411
Insert Size: 792 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001290411.1, NP_001277340.1</u>
RefSeq Size:	3077 bp
RefSeq ORF:	792 bp
Locus ID:	108841
UniProt ID:	<u>Q8CEE7</u>
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 (3) uses an alternate splice junction at the 3' end of the first exon and initiates translation at a downstream start codon compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to 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>