

## Product datasheet for **MR222364**

### **Rdh8 (NM\_001030290) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rdh8 (NM\_001030290) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rdh8  
**Synonyms:** Gm182; prRDH  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR222364 representing NM\_001030290  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCTCTCAGCAGCGGACGGTGCTCATCTCTGGCTGCTCTTCGGGGATCGGCCTTGAACTAGCGCTTC  
AGCTGGCTCATGACCCCAGGCAGCGTTACCAGTGGTGGCCACCATGAGGGACCTGGGGAAGAAGGAGCC  
ATTGGAGGCAGCTGCTGGAGAAGCTCTTGGAAAGACCCTCAGCGTGGTCCAGCTGGACGTGTGCAATGAT  
GAATCAGTGAAGTACTGTCTCAGCCACATCGAGGGAGGACAAGTGGATGTGCTAGTGAACAATGCAGGAG  
TAGGCCTTGTGGGGCCCCTGGAGGGACTCAGCCTAGCCACCATGCAGAGCGTGTTC AACACCAACTTTTT  
TGGAGCTGTCCGTCTGGTCAAAGCTGTGCTTCCAGGCATGAAGAGGAGGGGTGAGGGCCACATCGTGGT  
GTCAGCAGTGTATGGGGCTTCAGGGTGTGATGTTCAATGACGTCTATGCAGCCTCCAAGTTTGGCCCTAG  
AAGGGTCTTTGAGAGTCTCGCTATCCAGCTGCGACAATCAATATCTTCATCTCAATGGTGGAGCCAGG  
CCCAGTCAACACTGACTTTGAAGGAAACTTCTGGCTCAGGTTTCCAAGGCGGAGTTCCAGACACGGAC  
CCTGACACCCTGGGCTACTTCCGGGACTTGTACCTCCAGCCTCCAGGGAGCTCTCCGCTCTGTGGGAC  
AGAGCCCACGGGATGTGGCCAGGTCATTGCCAAGGTATCGGTACCACCAGACCCCACTCCGCAGACA  
GACCAACTCGCTACCTCCACTGACAGCGCTTAAGGCCATGGACCCCTCTGGAAGCCTGTATGTGAAA  
ACTGCCACAGGCTCCTTTTTCGCTGGCCTCACCTCCTCAACTTGGTCTCCGATGCCTGGCCTGTGGCT  
GCCTCCAACACGTGTGTGGCCTAGACAAACAGAGCAGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR222364 representing NM\_001030290  
Red=Cloning site Green=Tags(s)

MASQQRVTVLISGCSSGIGLELALQLAHDPRQRYQVVATMRDLGKKEPLEAAAGEALGKTL SVVQLDVCND  
 ESVTDCLSHIEGGQVDLVNNAAGVGLVGPLLEGLSLATMQSVFNTNFFGAVRLVKAVLPGMKRRRQGHIVV  
 VSSVMGLQGVMFNDVYAASKFALEGFFESLAIQLRQFNIFISMVEPGPVTDFEGKLLAQVSKAEFPDTD  
 PDTLGYFRDLYLPASRELF RSVGQSPRDVAQVI AKVIGITTRPPLRRQTNTRYLPLTALKAMDPSGSLYVK  
 TAHRLFRWPHLLNLGLRCLACGLPTRVWPRQTEQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9082\\_b06.zip](https://cdn.origene.com/chromatograms/mm9082_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001030290

**ORF Size:** 951 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_001030290.2](#)

**RefSeq Size:** 1450 bp

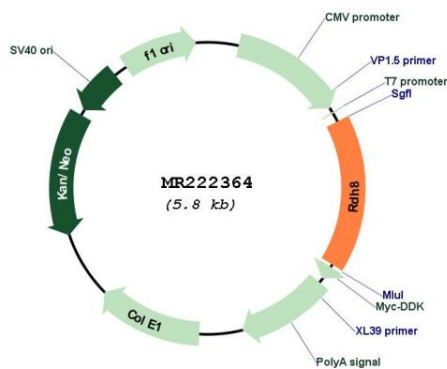
**RefSeq ORF:** 954 bp

**Locus ID:** 235033

**Cytogenetics:** 9 A3

**MW:** 34.7 kDa

**Product images:**



Circular map for MR222364