

Product datasheet for **MG222364**

Rdh8 (NM_001030290) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdh8 (NM_001030290) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rdh8
Synonyms: Gm182; prRDH
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG222364 representing NM_001030290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTCTCAGCAGCGGACGGTGCTCATCTCTGGCTGCTCTTCGGGGATCGGCCTTGAAGTACGCGCTTC
 AGCTGGCTCATGACCCCAGGCAGCGTTACCAGTGGTGGCCACCATGAGGGACCTGGGAAGAAGGAGCC
 ATTGGAGGCAGCTGCTGGAGAAGCTCTTGGAAAGACCCTCAGCGTGGTCCAGCTGGACGTGTGCAATGAT
 GAATCAGTGACTGACTGTCTCAGCCACATCGAGGGAGGACAAGTGGATGTGCTAGTGAACAATGCAGGAG
 TAGGCCTTGTGGGGCCCCTGGAGGACTCAGCCTAGCCACCATGCAGAGCGTGTTC AACACCAACTTTTT
 TGGAGCTGTCCGTCTGGTCAAAGCTGTGCTTCCAGGCATGAAGAGGAGGGCTCAGGGCCACATCGTGGT
 GTCAGCAGTGTTATGGGGCTTCAGGGTGTGATGTTCAATGACGTCTATGCAGCCTCCAAGTTTGGCCCTAG
 AAGGGTCTTTGAGAGTCTCGCTATCCAGCTGCGACAATCAATATCTTCATCTCAATGGTGGAGCCAGG
 CCCAGTCAACACTGACTTTGAAGAAAACCTTCTGGCTCAGGTTTCCAAGGCGGAGTTCCAGACACGGAC
 CCTGACACCCTGGGCTACTTCCGGGACTTGTACCTCCAGCCTCCAGGGAGCTCTCCGCTCTGTGGGAC
 AGAGCCCCAGGGATGTGGCCAGGTCATTGCCAAGGTATCGGTACCACCAGACCCCCACTCCGCAGACA
 GACCAACTCGCTACCTCCACTGACAGCGCTTAAGGCCATGGACCCCTCTGGAAGCCTGTATGTGAAA
 ACTGCCACAGGCTCCTTTTTCGCTGGCCTCACCTCCTCAACTTGGTCTCCGATGCCTGGCCTGTGGCT
 GCCTCCCAACACGTGTGTGGCCTAGACAAACAGAGCAGAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222364 representing NM_001030290
 Red=Cloning site Green=Tags(s)

MASQQRVTVLISGCSSGIGLELALQLAHDPRQRQYQVVATMRDLGKKEPLEAAAGEALGKTL SVVQLDVCND
 ESVTDCLSHIEGGQVDVLVNNAGVGLVGPLEGLSLATMQSVFNTNFFGAVRLVKAVLPGMKRRRQGHIVV
 VSSVMGLQGVMFNDVYAASKFALEGFFESLAIQLRQFNIFISMVEPGPVTDFEGKLLAQVSKAEFPDTD
 PDTLGYFRDLYLPASRELFRSVQSPRDVAQVIKVIKTRPPLRRQTNTRYLPLTALKAMDPSGSLYVK
 TAHRLFRWPHLLNLGLRCLACGLPTRVWPRQTEQN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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](#)

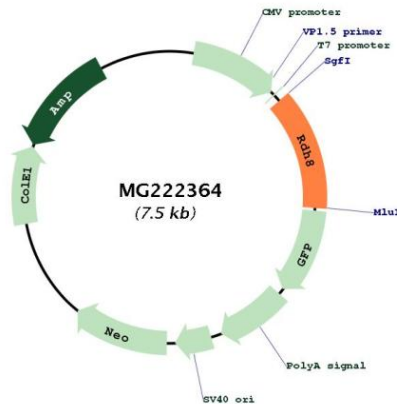
RefSeq Size: 1450 bp

RefSeq ORF: 954 bp

Locus ID: 235033

Cytogenetics: 9 A3

Product images:



Circular map for MG222364