

Product datasheet for **RR205072**

Rdh12 (NM_001108037) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rdh12 (NM_001108037) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rdh12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205072 representing NM_001108037
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGTTATCTTGGTACTGCTCAGTCCTTCTTCTCGATCTTGTACCTGGCGACTCCATCCATCAGGA
AGTTCTTTGCTGGTGGAGTTTGTACAACGAAGGTGCAGATCCCAGGGAAGGTAGTGGTCATCACAGGTGC
CAACACAGGCATTGGCAAGGAGACAGCCAGAGAGCTTGCTCGAAGAGGAGCAGAGTATACATTGCGTGT
CGAGATGTGCTGAAGGGAGAGTCTGCTGCCAGTAAAATCCGAGCAGACACCAAGAACTCCCAGGTGCTAG
TGGCGAAACTGGACCTCTCTGACACCAAATCCATCCGAACCTTTGCTGAGGGCTTCTAGCAGAGGAGAA
GAAGCTTCATATTTTGTCAATAATGCAGGCGTGATGATGTGCCATATTCTAAGACAGTAGATGGCTTT
GAAACCACTTTGGAGTCAACCACCTGGGCCACTTCTTCTTACATACCTGCTTTTGGGGAGGCTGAAGG
AGTCTGCTCCCGCACGGGTGATAAACCTATCCTCGGTGGCCACCTTGGTGGCAAGATCCGTTTCCATGA
CCTCAAAGCAAGAAGCGATACTGCAGTGGTTTCGCCTATAGTCACAGCAAGCTGGCCAACGTGCTTTTC
ACCGGAGAGCTGGCCAAGCGGCTCCAAGGACCGGAGTCACGGCCTATGTGGTTCACCCAGGTTGCGTCC
TGTCTGAGATCACCAGGCACTCCTTCTGATGTGCCTGTTGTGGCGCCTTCTCGCCCTCTTCAAGTC
CCCTTGGCAGGGGCTCAGACCAGCCTGCACTGCGCCCTGGAGGAGGGCCTGGAGCCCCTGAGCGGAAAG
TACTTCAGTGACTGCAAGAGGACGTGGGTATCCCCAAGGGCCCGAACAAGAAAACAGCTGAGCGCTTGT
GGAATGTCAGCTGTGAGCTTCTAGGAATCCAGTGGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205072 representing NM_001108037
 Red=Cloning site Green=Tags(s)

MLVILVLLTSFFSILYLATPSIRKFFAGGVCTTKVQIPGKVVVITGANTGIGKETARELARRGARVYIAC
 RDVLKGEAASEIRADTKNSQVLVRKLDLSDTKSIRTF AEGFLAEKKLHILINNAGVMMCPYSKTVDFG
 ETHFGVNHLGHFLLTYL LLLGRLKESAPARVINLSSVAHLGGKIRFHDLSKKRYCSGFAYSHSKLANVLF
 TRELAKRLQGTGVTAYVVHPGCVLSEITRHSFLMCLLWRLFSPFFKSPWQGAQTSLHCALEEGLEPLSGK
 YFSDCKRTWVSPRARNKKAERLWNVSCCELLGIQWE

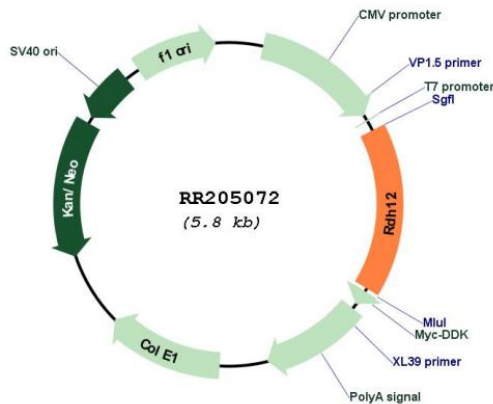
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001108037

ORF Size:	948 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:	<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:	NM_001108037.1 , NP_001101507.1
RefSeq Size:	1674 bp
RefSeq ORF:	951 bp
Locus ID:	314264
Cytogenetics:	6q24
MW:	35.3 kDa