

Product datasheet for **RC236915**

RDH11 (NM_001252650) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RDH11 (NM_001252650) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RDH11
Synonyms:	ARSDR1; CGI82; HCBP12; MDT1; PSDR1; RALR1; RDJCSS; SCALD; SDR7C1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236915 representing NM_001252650 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGAGCTCATGTTCCCGCTGTTGCTCCTCCTTCTGCCCTCCTTCTGTATATGGCTGCGCCCCAAA
TCAGGAAAATGCTGTCCAGTGGGGTGTGTACATCAACTGTTCCAGCTTCTGGGAAAGTAGTTGTGGTCAC
AGGAGCTAATACAGGTATCGGGAAGGAGACAGCCAAAGAGCTGGCTCAGAGAGGAGCTCGAGTATATTTA
GCTTGCCGGGATGTGAAAAGGGGGAATTGGTGGCCAAAGAGATCCAGACCACGACAGGGAACCAGCAGG
TGTGGTGCAGGAACTGGACCTGTCTGATACTAAGTCTATTCGAGCTTTTGCTAAGGGCTTCTTAGCTGA
GGAAAAGCACCTCCACGTTTTGATCAACAATGCAGGAGTGATGATGTGTCCGTA CTGAAGACAGCAGAT
GGCTTTGAGATGCACATAGGAGTCAACCACTTGGGCTCTGGCGTTACGACGTATTCTGTACACCCTGGCA
CAGTCCAATCTGAACTGGTTCGGCACTCATCTTCATGAGATGGATGTGGTGGCTTTTCTCTTTTTCAT
CAAGACTCCTCAGCAGGGAGCCCAGACCAGCCTGCACTGTGCCTAACAGAAGGTCTTGAGATTCTAAGT
GGGAATCATTTTCAGTACTGTATGTGGCATGGGTCTCTGCCAAGCTCGTAATGAGACTATAGCAAGGC
GGCTGTGGGACGTCAGTTGTGACCTGCTGGGCCCTCCCAATAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236915 representing NM_001252650
 Red=Cloning site Green=Tags(s)

MVELMFPLLLLLPFLLYMAAPQIRKMLSSGVCTSTVQLPGKVVVVVTGANTGIGKETAKELAQRGARVYL
 ACRDVEKELVAKEIQTTTGNQQVLVRKLDLSDTKSIRAFKGF LAEEKHLHVLINNAGVMMCPYSKTAD
 GFEMHIGVNLGSGVTTYSVHPGTVQSELVRHSSFMRMWWLFSFFIKTPQQAQTSLHCALTEGLEILS
 GNHFS DCHVAWVSAQARNETIARRLWDVSCDLLGLPID

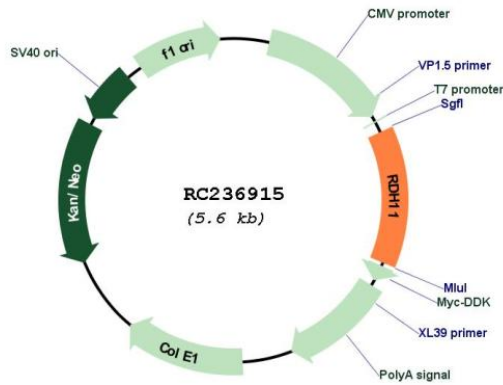
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252650
ORF Size: 744 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_001252650.2
RefSeq Size:	2364 bp
RefSeq ORF:	747 bp
Locus ID:	51109
UniProt ID:	Q8TC12
Cytogenetics:	14q24.1
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Retinol metabolism
MW:	27.9 kDa
Gene Summary:	The protein encoded by this gene is an NADPH-dependent retinal reductase and a short-chain dehydrogenase/reductase. The encoded protein has no steroid dehydrogenase activity. [provided by RefSeq, Nov 2011]