

Product datasheet for **SC334809**

RDH11 (NM_001252650) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RDH11 (NM_001252650) Human Untagged Clone
Tag:	Tag Free
Symbol:	RDH11
Synonyms:	ARSDR1; CGI82; HCBP12; MDT1; PSDR1; RALR1; RDJCSS; SCALD; SDR7C1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001252650, the custom clone sequence may differ by one or more nucleotides

ATGTTGAGCTCATGTTCCCGCTGTTGCTCCTCCTTCTGCCCTTCTTCTGTATATGGCTGCGCCCCAAA
 TCAGGAAAATGCTGTCCAGTGGGGTGTGTACATCAACTGTTGAGCTTCTGGGAAAGTAGTTGTGGTCAC
 AGGAGCTAATACAGGTATCGGGAAGGAGACAGCCAAAGAGCTGGCTCAGAGAGGAGCTCGAGTATATTTA
 GCTTGCCGGGATGTGGAAGGGGAATTGGTGGCCAAAGAGATCCAGACCACGACAGGGAACCAGCAGG
 TGTGGTGCGGAACTGGACCTGTCTGATACTAAGTCTATTCGAGCTTTTGCTAAGGGCTTCTTAGCTGA
 GAAAAAGCACCTCCACGTTTTGATCAACAATGCAGGAGTGATGATGTGCCGTAAGACAGCAGAT
 GGCTTTGAGATGCACATAGGAGTCAACCACTTGGGCTCTGGCGTTACGACGTATTCTGTACACCCTGGCA
 CAGTCCAATCTGAAGTGGTTCGGCACTCATCTTTCATGAGATGGATGTGGTGGCTTTTCTCTTTTTCAT
 CAAGACTCCTCAGCAGGGAGCCCAGACCAGCCTGCACTGTGCCTTAACAGAAGGTCTTGAGATTCTAAGT
 GGAATCATTTGAGTACTGTGATGTGGCATGGGTCTCTGCCCAAGCTCGTAATGAGACTATAGCAAGGC
 GGCTGTGGGACGTCAGTTGTGACCTGCTGGGCCTCCCAATAGACTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001252650
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).


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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_001252650.1, NP_001239579.1</u>
RefSeq Size:	2364 bp
RefSeq ORF:	747 bp
Locus ID:	51109
UniProt ID:	<u>Q8TC12</u>
Cytogenetics:	14q24.1
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Retinol metabolism
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame coding exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter 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>