

Product datasheet for **SC326897**

RDH13 (NM_001145971) Human Untagged Clone

Product data:

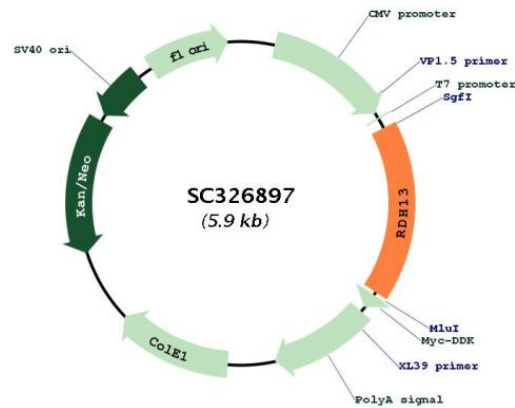
Product Type:	Expression Plasmids
Product Name:	RDH13 (NM_001145971) Human Untagged Clone
Tag:	Tag Free
Symbol:	RDH13
Synonyms:	SDR7C3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326897 representing NM_001145971. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCCGCTACCTGCTGCCGCTGTCGGCGCTGGGCACGGTAGCAGGCGCCGCCGTGCTGCTCAAGGAC
TATGTCACCGGTGGGGCTTGCCCGAGCAAGGCCACCATCCCTGGGAAGACGGTCACTCGTACGGGTGCC
AACACAGGCATCGGAAGCAGACCGCCTTGAAGTGGCCAGGAGAGGCAACATCATCCTGGCCTGC
CGAGACATGGAGAAGTGTGAGGCGGCAGCAAAGGACATCCGCGGGGAGACCCTCAATCACCATGTCAAC
GCCCGGCACCTGGACTTGGCTTCCCTCAAGTCTATCCGAGAGTTTGCAGCAAAGATCATTGAAGAGGAG
GAGCGAGTGGACATTCTAATCAACAACCGGGTGTGATGCGGTGCCCCACTGGACCACCGAGGACGGC
TTCGAGATGCAGTTTGGGTTAACCACCTGGGTCACTTTCTCTTGACAAACTTGCTGCTGGACAAGCTG
AAAGCCTCAGCCCTTCGCGGATCATCAACCTCTCGTCCCTGGCCATGTTGCTGGGCACATAGACTTT
GACGACTTGAAGTGGCAGACGAGGAAGTATAACACCAAAGCCGCCTACTGCCAGAGCAAGCTCGCCATC
GTCCTCTTACCAAGGAGCTGAGCCGGCGGCTGCAAGGCTCTGGTGTGACTGTCAACGCCCTGCACCCC
GGCGTGGCCAGGACAGAGCTGGGCAGACACAGGGCATCCATGGCTCCACCTTCTCCAGCACCACTC
GGGCCATCTTCTGGCTGCTGGTCAAGAGCCCCGAGCTGGCCGCCAGCCAGCACATACCTGGCCGTG
GCGGAGGAAGTGGCGGATGTTTCCGAAAGTACTTCGATGGACTCAAACAGAAGGCCCGCCCGCCGAG
GCTGAGGATGAGGAGGTGGCCCGGAGCTTTGGGCTGAAAGTGCCCGCCTGGTGGGCTTAGAGGCTCCC
TCTGTGAGGGAGCAGCCCTCCCAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001145971

Insert Size: 996 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001145971.1](#)

RefSeq Size: 1931 bp

RefSeq ORF: 996 bp

Locus ID: 112724

UniProt ID: [Q8NBN7](#)

Cytogenetics: 19q13.42

Protein Families: Druggable Genome

MW: 35.9 kDa

Gene Summary: This gene encodes a mitochondrial short-chain dehydrogenase/reductase, which catalyzes the reduction and oxidation of retinoids. The encoded enzyme may function in retinoic acid production and may also protect the mitochondria against oxidative stress. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2009]
Transcript Variant: This variant (1) represents the shortest transcript and encodes the longer isoform (1).