

Product datasheet for **SC214758**

RDHE2 (SDR16C5) (NM_138969) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RDHE2 (SDR16C5) (NM_138969) Human 3' UTR Clone
Symbol:	RDHE2
Synonyms:	EPHD-2; RDH#2; RDH-E2; RDHE2; retSDR2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_138969
Insert Size:	1505 bp



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Insert Sequence: >SC214758 3'UTR clone of NM_138969
The sequence shown below is from the reference sequence of NM_138969. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCTTTGTTGACCAAAAAGAAGCTCTAAGACCAACTCTATGGCTAAGGTCATCTGATACACAGTGT
TACATAATGCGTACTTCAATGAAGAAAAGTATTTTGTCTGACAGTGGAATATATCTGGAGACCACAAG
TACCACTCCTATTCTGTTATCTGGACTAGAATTTTCAATCAATGTGTTTAAAAAATATGTTGCTATCAC
CTATTTGGTTGAGTTTGGTTTTTCTTTTTCTTTTTTCCAAAAATAAGACAGCCCATTTTGTGTC
ATTTCCATTACCACAGATGTAAGAAAGTGATAAGCCATGGCCATGAGCTGCCCTGAGCTTTGGTCGTTG
GGGAGGTGGCTCAAAATGGAGCCAGCGGTGTGGTTGACCTGCCTTGGGGAGCAGGGCTGAGGGGCGAAG
AGGACATGTGGATATCCAGCCAGAATGCCCTCTCTCCAGAGGACACACAGCTCTGGATTTCTACCCCT
TGCTATCCTCTCTGGCCATTTTGAACCTGTACCACCTAATGTAGAAAAGGCCCGCCTCCAGTGCCCTTC
TTTCCAAAACAGCTACACAAATGCTTCTGAATGCCCTGGATACGACAGCCGAGTGGCAGTCTGGCTAAA
GGCCCATCCAGCACTATTGTGCCAAGAGCCTTACCGGGCATTCCCTGAAGCCCCCTCATAGGCAGTGA
TCCTAGACCAAACTCTTAAATAGAATCACTTTTGTTCCTAGAAGAGATCAAAGAGTGGTTGCTTCTTA
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TTAAAGTTAAGTGTTCAACTTAGTATTTCAAGTTGGGATTCAGGTTGAGGCATTTTCTGCAGAAATGGG
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TTCCCTCTTGTGGGAGCAAGGAGGGGATGAGCGGTACCTTGGGAGACCCGGTAAAAGTCTAAAGAATT
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AATCCACTATGGTTTACCTTGAGTGGCCTGCACGAACATGACAGCCCTGATCTGTATTTCTTTCCATT
CAGAAAACCTTAAAAAATAAAGTGTATGATAATATTATAACAATCATACTAACATTTACTGT
GCCCGGCAGCAATTAAGTATTTGACAAACATTATTTTATTAAACGAGACTGTCAATCATTACTCAAAG
AATGATGAAGGTATTTGGTGTATGCCAAGAATAAAGGCGTTTTATTTACAGTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_138969.4

Summary:	This gene encodes a member of the short-chain alcohol dehydrogenase/reductase superfamily of proteins and is involved in the oxidation of retinol to retinaldehyde. The encoded protein is associated with the endoplasmic reticulum and is predicted to contain three transmembrane helices, suggesting that it is an integral membrane protein. It recognizes all-trans-retinol and all-trans-retinaldehyde as substrates and exhibits a strong preference for NAD(+)/NADH as cofactors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]
Locus ID:	195814
MW:	57.8