

Product datasheet for **RN209751**

Rdh16 (NM_199208) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rdh16 (NM_199208) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rdh16
Synonyms:	Rdh2; RoDHII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN209751 representing NM_199208 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGCTGTACCTGCTGGCACTGGTGGCCTGTGGAACCTCCTGCGCTTGTTCAAGGAGAGGAAGGTGG
TAAGCCATCTCCAAGACAAATATGTCTTCATCACGGGCTGTGACTCAGGCTTTGGAACTGCTGGCCAG
ACAGCTGGACAGGAGAGGCATGAGGGTGTGGCTGCATGTCTGACTGAGAAGGGAGCCGAGCAGCTGAGG
AGCAAGACATCGGACAGGCTGGAGACAGTGATCCTTGATGTACCAAGACAGAGAGTATTGTGCCAGCCA
CTCAGTGGGTGAAGGAGCGAGTTGGGAACACAGGACTCTGGGGCCTGGTCAACAATGCTGGCATCTCCGG
CCACCTGGGTCCAATGAGTGGATGAACAAACAGAACATTGCAAGTGTGCTGGATGTGAACCTGTTGGGC
ATGATCGAGGTGACTCTGAGCACGGTGCCTTAGTGAGGAAGGCGAGGGCCGTGTGGTCAACGTTGCCA
GCATCGCAGGCCGACTGTCTTTTGTGGTGGTGGTTACTGCATCTCCAAGTATGGTGTAGAGGCCTTCTC
AGACTCCCTCAGGAGAGAGCTCTCCTATTTTGGGGTCAAGGTGGCTATTGTAGAGCCTGGCTTCTCAGG
ACTGATGTGACCAATGGTGTACATTATCATCAAATCCAGATGCTGTGGGACCAGACCAGCTCAGAAG
TCAGGGAAGTCTATGGCGAGAATACTGGCATCTTATCTGAAAATGCTAAATGGATTGGACCAGAGGTG
CAACAAAGATCTGTCTCTGGTACTGACTGCATGGAGCACGCCCTGACTTCTGTACCCCTCGCACCCGG
TACTCAGCTGGTTGGGATGCCAAGTTCTTCTACCTCCCATGAGCTATCTGCCACCTTTCTTGTGGATG
CCTTTTCTACTGGACTTCTCCAAGCCTGAGAAAGCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_199208



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Insert Size:	954 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).
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_199208.1</u> , <u>NP_954678.1</u>
RefSeq Size:	1998 bp
RefSeq ORF:	954 bp
Locus ID:	299511
UniProt ID:	<u>P50170</u>
Cytogenetics:	7q22
Gene Summary:	a short-chain dehydrogenase/reductase that catalyzes the conversion of retinol to retinal, the first step in retinoic acid synthesis [RGD, Feb 2006]