

## Product datasheet for **RN201146**

### **Rdh10 (NM\_181478) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rdh10 (NM_181478) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rdh10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201146 representing NM_181478 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACATCGTGGTGGAGTTCTTCCTGGTCACTTTCAAAGTGCTGTGGCGTTTCGTCTGGCCGCGGCCG  
GCTGGCTGGTGCGCCCAAGGAGAAGAGCGTGGCCGCCAGGTGTGCCTCATACGGCGCGGGCAGCGG  
CTGGGCGCCTCTTCGCTCTGGAGTTCGCTCGACGCCGGGCACCTGCTGGTTCTCTGGACATCAACACG  
CAGAGCAATGAGGAGACCGCAGGCATGGTGCGCCACATCTACCGGACCTGGAGGCGGCCGACGCCGCTG  
CTCTGCAAGCTGGGAACGGTGGAGGAAATCCTGCCCCATGTAACCTACAGGTTTTTACCTATACCTG  
TGATGTGGGAAGAGAGAGAATGTCTACCTGACAGCTGAAAGGGTCCGCAAGGAGTTGGTGGGCTCG  
GTCCTGGTCAATAACGCTGGTGTGGTTTTCTGGACATCACCTTCTGGAATGTCTGATGAGCTCATTGAGA  
GAACCATGATGGTCAACTGCCACGCACACTTCTGGACCACTAAGGCCTTTCTTCCAACGATGCTGGAGAT  
TAATCATGGCCATATTGTGACGGTGGCAGCTCCCTGGGACTGTTGAGCACTGCTGGAGTTGAGGATTAC  
TGTGCCAGTAAGTTGGAGTTGGGTTTTTCATGAATCTCTGAGTCATGAACTGAAGGCTGCTGAAAAGG  
ATGGAATTAACAACCTTTGGTTTTGCCCTTACCTTGTAGACACGGGCATGTTGAGGCTGCCGAATCAG  
AAAAGAAATCGAGCCCTTTTGGCCCTTTGAAGCCCGATTACTGTGTAAGCAGCCATGAAGGCCATC  
CTCACTGACCAGCCATGATCTGACCCCTCGTCTCATGTACATCGTGACATTATGAAGAGCATCCTTC  
CCTTCAAGCAGTCGTGTGCATGTATCGATTTCTAGGAGCAGACAAGTGTATGTACCCCTTTATTGCTCA  
GAGAAAACAAGCCACAAACAATAATGAAGCAAAAAATGGAATCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_181478
Insert Size:	1026 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_181478.2</a> , <a href="#">NP_852143.1</a>
<b>RefSeq Size:</b>	1061 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	353252
<b>UniProt ID:</b>	<a href="#">Q80ZF7</a>
<b>Cytogenetics:</b>	5q11
<b>Gene Summary:</b>	human homolog oxidizes all-trans retinol to all-trans retinal using NADP as its preferred cofactor; involved in the photic visual cycle [RGD, Feb 2006]