

## Product datasheet for **RN214871**

### **Nt5c1b (NM\_001011982) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nt5c1b (NM_001011982) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nt5c1b
Synonyms:	Rdh14
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214871 representing NM\_001011982  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTCAAACATCATTGAAAACAAAAAGAAAAATGAGCCTGGGATGAGGTACTCAAAGAGAGTCTAG  
 ATGCAGAGAAAAGAAAGGATTCTGACAAATCTGGAGCTCGTCTGAGCACTCAGGGATCCCAAGAAATACC  
 TGTGCCTAATACAGACTCCCGAGGGTACGTTGTGCGAAATCAGTGGTCCCGAACATCACGCAGCCCATCC  
 ACTAGGGCTCCATCAGTGGATGAAAACAGAAGCAGGAATACTGTTGTCAAGCAGGCCCAACAGCTCTG  
 CTAACTCTCGAATTCTCTGCGTCTGCCAGTCAACACGAACTTCAACCTCGCCTCCACCTCAGGTATC  
 AGAGAAGTCCCCGTTCAACAGCCAGCCACAGACCAGAATATCACACCGTTGACTCACAACCTCCC  
 ACACCACCGAAACAGAGCCGGACTCCAGAAGAATCGAAGATGTATACGGCCACTGATCCCTGGGCTC  
 ACAGGGATAACAGAGAGCCTAGAGACTTGACAGTGAAGGAGTATGCACACAGCTGTGACTCTCGAGAAGG  
 GATACCAAGACTCGAGAATATCCCGCACTCCTCTACTGAGTGAAGTCTATGTCCAGCGCCGCTG  
 CAGTATGGCAGCTCTGTGGACATGGATCCGGATTGTTTACCTGATGGCCAGCATCATCGGAGAAGCAGC  
 AGATAGAGGAAGATGAGGTGGATGAGGCCATTGGTCATCTGTGAGCATGCTGTATGAGAAGATCCCGAG  
 CTGTACGGCGCCAGGCCGCCAAACCCAAAGCATGCCATCACCATTGCTGTCTCTTCCGGGCACTTTTC  
 AATATGGTGGATGACAGAAAAATCTACGAAGAAGGGTCTGGAAAAGTACATGGAGTATCAGCTCACTA  
 ACGAGAACGTCATTCTGACCCAGGACCAGCATTTTCGGTTTGTCAAGGCACTGCAGCATGTCAACTCTAG  
 ACTCCGTGATCTGTATCCTGACGAACAAGACCTATTCGATATAGTACTGACTAATAACCATGCCAA  
 GTGGGAGTACGGCTTATAAACAGCGTCAATCACTATGGTCTACTGATCGACCGCTTCTGTTTGACGGGTG  
 GGAAAAGCCCCATTGGCTACTTGAAGGCATATCTTACCAACTTGTATCTCTCTGCGGATTCTGAAAAAGT  
 ACAAGAGGCAATAAAAGAAGGCATTGCCTCTGCAACCATGTTTGTCTGGAGCCAAAGACATGGCTTATTGC  
 GACACCCAGCTCCGCGTGGCCTTTGATGGGGATGCTGTACTCTTCTCGGATGAGTCTGAGCATATTGCCA  
 AGGATCACGGACTGGACAAATTCTCCAGCATGAAACATTATTTGAAAATAAGCCTCTTGCTCAGGGTCC  
 TCTTAAAGGCTTTCTGGAAGATTTAGGGAACTGCAGAAGAAATCTATGCCAAGGACGAACGATTGCTC  
 TGTCCCATCAGGACCTACCTTGTACAGCTCGGAGTGCAGGAGTTTCCAGGTGCCCGTGTCTGAAGACCC  
 TCCGCCGTGGGGTCTAGAGATAGATGAAGCTTTTTCTGGCTGGAGCCCTAAAGGTCCCATCTTAGT  
 GAAGATTCGGCTCACATCTTTTACGACCAAATGTTCCACATCGAAGCAGCACAAAAATTTGGTACC  
 ATCACGGCTCACGTGCCTTATGGCATTGCTCAAAAACGCAACTAG

**ACGCGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001011982
- Insert Size:** 1725 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:**

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\\_001011982.1](#), [NP\\_001011982.1](#)

**RefSeq Size:** 1869 bp

**RefSeq ORF:** 1725 bp

**Locus ID:** 298881

**Cytogenetics:** 6q14