

## Product datasheet for MR204965

### Rdh14 (NM\_023697) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rdh14 (NM_023697) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rdh14
Synonyms:	3110030G19Rik; AW215439; PAN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204965 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGTGGCTAGTGTGGCCGACGCTCCTGGCCGCACTGGGCGGGCGCTGTGGCTGGCGGCCCGGC  
GGTTCTCTGGGCAAGAAACCAGCGGCAGCAGGGAGGCGGGACCCGGGCCTCATGCACGGGAAGACAGT  
GCTGATCACCGGAGCAAACAGCGGCCTGGGCCGTGCCACCGGGCGGAGCTGCTCCGCCTGGGGCGCGG  
GTCATCATGGGATGTCGGGACCGCGCTCGAGCAGAGGAGGCGGCCGTCAGCTCAGGCAGGAGCTCTGTC  
AGGCTGGGGCGCCGGGCCGACGCACTGATGGCCAGCTGGTCGTTAAGGAGCTGGACCTTGCCCTCGCT  
GCGCTCAGTGCAGCTTTCTGCCAAGAAGTCTACAGGAGGAGCCAGGCTAGACGTCCTGATCAATAAT  
GCGGGGTTTTTCCACTGCCCGTATACGAAGACTGAAGATGGGTTTGAGATGCAGTTTGGAGTGAACCATC  
TGGGCCACTTCTACTACCAATCTTCTCCTTGGACTCCTCAAAAGTTTCACTCCAGCAGGATTGTAGT  
CGTTTTCTCCAACTTTATAAATATGGAGAAATCAACTTTGAAGACTTGAACAGTGAAGAAAGCTATAAT  
AAAAGCTTCTGTTATAGTCGAAGCAAATGGCTAACATTTCTTTCACAAGAGAATTAGCCCGTCGCTTAG  
AAGGAACAAACGTGACTGTCAATGTGCTGCATCCTGGTATTGTGCGAACAACCTAGGGAGGCATATTCA  
CATCCCAGTGTGCAAGACCCTTTTCAATTTGGTATCCTGGCTTTTTTCAAACTCCATTAGAAGGT  
GCCAGACTTCCATCTATTTAGCCTGTTACCTGACGTAGAAGGTGTGTCAGGAAGTACTTTGGAGATT  
GTAAGGAGGAAGAGCTTTGCCCAAAGCTATGGATGAGTCAGTGGCAAGAAAAGTGTGGGATATCAGTGA  
AGTGATGGTTGGCATTCTAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_023697.1](#), [NM\\_023697.2](#), [NP\\_076186.1](#)

**RefSeq Size:** 1475 bp

**RefSeq ORF:** 1005 bp

**Locus ID:** 105014

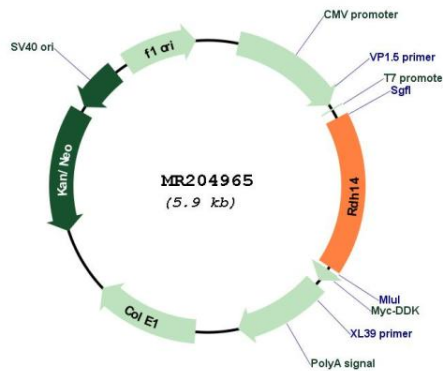
**UniProt ID:** [Q9ERI6](#)

**Cytogenetics:** 12 A1.1

**MW:** 36.4 kDa

**Gene Summary:** Retinol dehydrogenase with a clear preference for NADP. Displays high activity towards 9-cis, 11-cis and all-trans-retinol. Shows a very weak activity towards 13-cis-retinol. Has no activity towards steroids.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204965