

## Product datasheet for **RR215142**

### **Dhcr7 (NM\_022389) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dhcr7 (NM_022389) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhcr7
Synonyms:	MGC93039
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215142 representing NM\_022389  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTTCAAAGTCCCAGCACACGCTTCAAAGCCAAGAATCACACGTCGAAGCTGAATCTCAAGGAC  
 AATGGGGCCGTGCTGGGAAGTGGACTGGTTCTCCCTGGTCAGCGTCATTTTCCTGCTGCTTTCGCACC  
 GTTCATTGTGTACTACTTCATCATGGCATGTGACCAGTACAGCTGCTCGCTGACTGCCCCATATTGGAC  
 GTAGCTACAGGCCGTGCGAGTCTGGCAGACATCTGGCCAAGACACCGCCTGTGACAGCTAAGGCTGCC  
 AACTGTATGCCTTGTGGGTGAGCTTCCAGGTGCTGCTTTACTCCTGGCTTCTGACTTCTGCCACAGATT  
 TCTGCCAGTTATGTGGGAGCGTCCAAGAAGGTGCCATAACTCCAGCAGGGATTGTAATAAGTATGAG  
 GTGAATGGGTGCAAGCCTGGCTCATTACCCACTTCTCTGGTTGTGAACGCTTACCTCTATCCTGGT  
 TCTCCCCACCATCATCTTTGACAACCTGGATCCCGTTGCTATGGTGTGCCAACATCCTGGGCTACGCTGT  
 GTCACCTTTGCAATGATCAAGGGGTACCTGTTCCCCACCAGCGCCGAAGACTGCAAATTCACAGGCAAT  
 TTCTTCTACAACCTACATGATGGGGATTGAGTTCAACCCCGCATCGAAAAGTGGTTTGACTTCAAGCTGT  
 TCTTCAATGGGCGCCCGGGGATTGTGGCCTGGACTCTTATCAACCTGTCTTTGTGTCGAAGCAGCAGGA  
 GCTTTATGGCCATGTGACCAACTCCATGATTTTGGTCAATGTCTTACAGGCCATCTATGTGTAGACTTC  
 TTCTGGAACGAAACCTGGTACCTGAAGACCATTGACATCTGCCATGACCACTTTGGATGGTACCTGGGCT  
 GGGGAGATTGCGTGTGGCTGCCCTACCTCTACACACTGCAGGGCCTGTACTTGGTGTACCACCCTGTACA  
 GCTCTCCACCCCAACGCCTTGGCGTCTGCTGCTCGGCCTGGTGGTTACTATATCTTCCGAATGACC  
 AACCATCAGAAGGACCTGTTCCGCCGACAGATGGACTGCCTCATCTGGGCAAGAAACCAAGGCCA  
 TCGAGTCTCTACACGTCAGCCGAGGGCTGAAGCACCAGCAAGCTGTTGGTTTCAGGCTTCTGGGG  
 TGTGGCCCGCCACTTCAACTATACCGGAGACTGATGGGCAGCCTCGCCTACTGCCTGGCTTGTGGCGGC  
 GGCCACCTCCTCCCTACTTCTACATCATCTATGACTATCCTGCTTACCCACCCTGCCTCCGTGATG  
 AGCACCCTGTGCCAACAAAGTATGGCCGTGACTGGGAGCGCTACGTAGCCGCTGTGCCCTACCGCTGCT  
 GCCTGGGATCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215142 representing NM\_022389  
 Red=Cloning site Green=Tags(s)

MASKSQHNASKAKNHNVKAESQGQWGRAWEVDWFLVSVIFLLLFPFIVYFIMACDQYSCSLTAPILD  
 VATGRASLADIWAKTPPVTAQAAQLYALWVSFQVLLYSWLPDFCHRFLPGYVGGVQEGAITPAGIVNKYE  
 VNGLQAWLITHFLWFVNAYLLSWFSPTIIFDNWIPLLWCANILGYAVSTFAMIKGYLFPTS AEDCKFTGN  
 FFYNYMMGIEFNPRIGKWFDFKLFNRPVGIWATL INLSFAAKQQLYGHVNTSMILVNVLQAIYVLD  
 FWNETWYLKTIIDICHDFGWYLGWDCVWLPYLYTLQGLYLVYHPVQLSTPNALGVLLLGLVGYIFRMT  
 NHQKDLFRRTDGHCLIWGKKPKAIECSYTSADGLKHRKLLVSGFWGVARHFNYTGDMGSLAYCLACGG  
 GHLLPYFYIYMTILLTHRCLRDEHRCANKYGRDWEREYVAAPYRLLPGIF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



**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\\_022389.2](#), [NP\\_071784.1](#)

**RefSeq Size:** 2737 bp

**RefSeq ORF:** 1416 bp

**Locus ID:** 64191

**UniProt ID:** [Q9Z2Z8](#)

**Cytogenetics:** 1q42

**MW:** 54.2 kDa

**Gene Summary:** catalyzes the reduction of 7-dehydrocholesterol and involved in cholesterol biosynthesis [RGD, Feb 2006]