

Product datasheet for **RN215142**

Dhcr7 (NM_022389) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN215142 representing NM_022389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCAAAGTCCAGCACACGCTTCAAAGCCAAGAATCACACGTCGAAGCTGAATCTCAAGGAC
 AATGGGGCCGTGCCTGGGAAGTGGACTGGTTCCCTGGTCAGCGTCATTTTCCTGCTGCTTTCGCACC
 GTTCATTGTGTACTACTTCATCATGGCATGTGACCAGTACAGCTGCTCGCTGACTGCCCCATATTGGAC
 GTAGCTACAGGCCGTGCGAGTCTGGCAGACATCTGGCCAAGACACCGCCTGTGACAGCTAAGGCTGCC
 AACTGTATGCCTTGTGGGTGAGCTTCCAGGTGCTGCTTTACTCCTGGCTTCTGACTTCTGCCACAGATT
 TCTGCCAGTTATGTGGGAGCGTCCAAGAAGGTGCCATAACTCCAGCAGGGATTGTAATAAGTATGAG
 GTGAATGGGCTGCAAGCCTGGCTCATTACCCACTTCTCTGGTTGTGAACGCTTACCTCTATCCTGGT
 TCTCCCCACCATCATCTTTGACAACCTGGATCCCGTTGCTATGGTGTGCCAACATCCTGGGCTACGCTGT
 GTCCACCTTTGCAATGATCAAGGGGTACCTGTTCCCCACCAGCGCGAAGACTGCAAATTCACAGGCAAT
 TTCTTCTACAACCTACATGATGGGGATTGAGTTCAACCCCGCATCGAAAAGTGGTTTGACTTCAAGCTGT
 TCTTCAATGGGCGCCCGGGGATTGTGGCCTGGACTCTTATCAACCTGTCTTTGCTGCCAAGCAGCAGGA
 GCTTTATGGCCATGTGACCAACTCCATGATTTTGGTCAATGTCTTACAGGCCATCTATGTGTAGACTTC
 TTCTGGAACGAAACCTGGTACCTGAAGACCATTGACATCTGCCATGACCACTTTGGATGGTACCTGGGCT
 GGGGAGATTGCGTGTGGCTGCCCTACCTCTACACACTGCAGGGCCTGTACTTGGTGTACCACCCTGTACA
 GCTCTCCACCCCAACGCCTTGGCGTCTGCTGCTCGGCCTGGTGGTTACTATATCTTCCGAATGACC
 AACCATCAGAAGGACCTGTTCCGCCGACAGATGGACTGCCTCATCTGGGGCAAGAAACCAAGGCCA
 TCGAGTGTCTCTACACGTCAGCCGACGGGCTGAAGCACCAGCAAGCTGTTGGTTTCAGGCTTCTGGGG
 TGTGGCCCGCCACTTCAACTATACCGGAGACTGATGGGCAGCCTCGCCTACTGCCTGGCTTGTGGCGGC
 GGCCACCTCCTCCCTACTTCTACATCATCTATGACTATCCTGCTTACCCACCCTGCCTCCGTGATG
 AGCACCCTGTGCCAACAAGTATGGCCGTGACTGGGAGCGCTACGTAGCCGCTGTGCCCTACCGCTGCT
 GCCTGGGATCTT**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022389
- Insert Size:** 1416 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_022389.2](#), [NP_071784.1](#)
RefSeq Size: 2737 bp
RefSeq ORF: 1416 bp
Locus ID: 64191
UniProt ID: [Q9Z2Z8](#)
Cytogenetics: 1q42
Gene Summary: catalyzes the reduction of 7-dehydrocholesterol and involved in cholesterol biosynthesis [RGD, Feb 2006]