

Product datasheet for **MG223420**

Dhcr7 (NM_007856) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhcr7 (NM_007856) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhcr7
Synonyms:	AA409147
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG223420 representing NM_007856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCGAAATCCAGCACAACGCTCCCAAAGTCAAGAGTCCCAACGGCAAGGCTGGATCTCAAGGAC
 AATGGGGCCGTGCTGGGAAGTGGACTGGTTCTCCCTGGCCAGCATCATTTTCTGCTGCTTTCGCTCC
 ATTCATTGTGTACTACTTCATCATGGCATGTGACCAGTACAGCTGCTCCCTGACTGCCCCCGCATTGGAT
 ATAGCTACAGGCCATGCTAGTCTGGCAGACATTTGGCCAAGACACCACCTGTGACAGCTAAAGTGCC
 AACTGTATGCCTTGTGGGTGAGCTTCCAGGTGCTGCTTTATTCCTGGCTTCTGACTTCTGCCACAGATT
 TCTGCCAGTTATGTGGGAGCGTCCAAGAAGGTGCCATTACTCCAGCAGGGGTTGTAACAAGTATGAG
 GTGAATGGGCTGCAAGCCTGGCTCATTACCCACATCCTCTGGTTGTGAACGCTTACCTCTATCCTGGT
 TCTCCCCACCATCATCTTTGACAACCTGGATCCCCTTGTATGGTGTGCCAACATCCTGGGCTATGCCGT
 GTCCACGTTTCGAATGATCAAGGGCTACCTGTTCCCCACCAGTGCCGAAGACTGCAAATTCACAGGCAAT
 TTCTTCTACAACATATGATGGGAATTGAGTTC AACCCCCGCATCGGGAAGTGGTTTGACTTCAAGCTGT
 TCTTCAATGGACGACCAGGGATTGTAGCCTGGACCCTCATTAACTGTCTTCGCTGCCAAGCAGCAGGA
 GCTTTATGGCCATGTGACCAACTCCATGATTTTGGTCAATGTCTTGCAGGCCATCTACGTGTAGACTTC
 TTCTGGAATGAAACCTGGTACCTGAAGACCATCGACATCTGCCATGACCACTTTGGGTGGTACCTAGGCT
 GGGGAGATTGTGTGTGGCTGCCCTACCTCTACACACTGCAGGGCCTGTACTTGGTGTACCACCCTGTGCA
 GCTCTCCACCCCAATGCCTTGGGCATCCTGCTGCTTGGCCTCGTGGGTACTATATCTCCGAATGACC
 AACCATCAGAAGGACCTGTTCCGCAGGACAGATGGCCGCTGCCTCATCTGGGCAAGAAGCCCAAGGCCA
 TCGAGTCTCCTACACATCAGCTGATGGGCTGAAGCACCACAGCAAGCTGTTGGTCTCAGGCTTCTGGGG
 TGTGGCCCGCCACTTCAACTATACTGGTGACCTGATGGGCAGCCTTGCCCTACTGCCTGGCTTGTGGCGGT
 GGCCACCTCCTCCCTACTTTTACATCATCTATGACTATCCTGCTCACCACCGCTGCCTCCGTGATG
 AACACCGCTGTGCCAACAAGTATGGCCGTGATTGGGAGCGCTACACAGCCGCTGTGCCCTACCGCTGCT
 GCCTGGAATCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223420 representing NM_007856
 Red=Cloning site Green=Tags(s)

MASKSQHNAPKVKSPNGKAGSQGQWGRAWEVDWFLASIIIFLLLFPFIVYFIMACDQYSCSLTAPALD
 IATGHASLADIWAKTPPVTAQAAQLYALWVSFQVLLYSWLPDFCHRFLPGYVGGVQEGAITPAGVVKYE
 VNGLQAWLITHILWFVNAYLLSWFSPTIIFDNWIPLLWCANILGYAVSTFAMIKGYLFPTSAEDCKFTGN
 FFYNYMMGIEFNPRIGKWFDFKLFNFRPGIVAWTLINLSFAAQQELYGHVTNSMILVNVLQAIYVLDL
 FWNETHYLYKTIDICHDFGWYLGWDCVWLPYLYTLQGLYL VYHPVQLSTPNALGILLGLVGYIFRMT
 NHQKDLFRRTDGRCLIWGKPKAIECSYTSADGLKHHSKLLVSGFWGVARHFNYTGDLMGSLAYCLACGG
 GHLLPYFYIIMTILLTHRCLRDEHRCANKYGRDWERYTAAVPYRLLPGIF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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_007856.2](#), [NP_031882.1](#)

RefSeq Size: 2845 bp

RefSeq ORF: 1416 bp

Locus ID: 13360

UniProt ID: [O88455](#)

Cytogenetics: 7 F5

Gene Summary: Production of cholesterol by reduction of C7-C8 double bond of 7-dehydrocholesterol (7-DHC).[UniProtKB/Swiss-Prot Function]