

## Product datasheet for **MG219971**

### Dhrs9 (NM\_175512) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs9 (NM_175512) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhrs9
Synonyms:	C730025I08Rik; Rdh15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219971 representing NM_175512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGTTTTGGTTGTTGGCTCTCCTGTTCTCTGTGCTTTTCTGTGGAATTATAAAGGGCAGTTGAAGA  
TAGCAGACATTGCTGACAAGTATGTCTTCATCACCGGATGTGACACGGGCTTTGGAACTTAGCAGCCAG  
AACTTTTGATAAAAAAGGCTTCCGTGTCATTGCTGCCTGCTGACTGAGTCAGGATCAGCTGCTTTGAAG  
GCCAAAACCTCAGAGAGACTCCACACCGTCTTCTGGATGCTCACTGACCCAGAGAATGTCAAGAAGACGG  
CCCAGTGGGTGAAGAGCCATGTAGGAGAAAAGGGTCTCTGGGTCTGATCAATAATGCTGGTGTCTTGG  
CGTGTGGCTCCCACTGACTGGTTGACAGTGGACGACTACAGAGAACCCATTGAAGTTAACTGTTTGG  
CTCATCAACGTGACACTGAATATGCTTCCACTGGTCAAAAAAGCTCGAGGGCGTGTATCAATGTCTCCA  
GCATTGGAGGCCGGCTTGCATTTGGTGGAGGGGCTATACTCCATCCAAATACGCAGTGGAGGGTTTCAA  
TGACAGCCTAAGGCGGGATGAAAGCTTTTGGTGTGCATGTCTCATGCATTGAACCAGGGCTGTTCAAA  
ACAGAGCTGGCAGATCCAATCAAGACAAGTAAAAAAAGTGGCCATTTGGAAACATCTGTCTCCAGATA  
TCAAACAACAATATGGAGAGGGCTACATTGAAAAAGTCTACACAGACTGAAAAGCAATACCTCCTCGGT  
GAACCTGGACCTCTCTAGTGGTAGGGTGCATGGACCAGCTCTAACAAGTCTTCCCCAAGACTCGG  
TACATTGCTGGAAAGATGCCAAGACATTCTGGATACCTCTGTCTCACATGCCAGCAGTTTACAAGACT  
TTTTATTGCTGAAACAGAAAGTAGAGCTGGCAAATCCCAAAGCTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219971 representing NM\_175512  
Red=Cloning site Green=Tags(s)

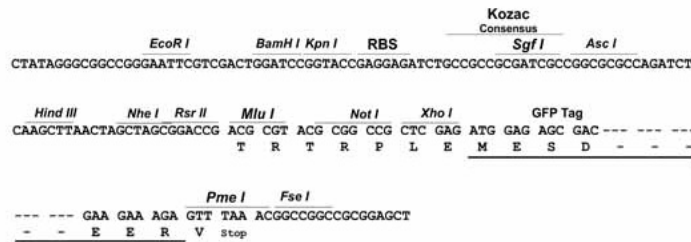
MLFWLLALLFLCAFLWNYKGQLKIADIADKYVFITGCDTGFGNLAARTFDKKGFRVIAACLTEGSAALK  
 AKTSERLHTVLLDVTDPENVKKAQWVKSHVGEKGLWGLINNAGVLGVLAPTDWLTVDYREPIEVNLFGL  
 LINVTLNMLPLVKKARGRVINVSSIGRLAFGGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSICIEPGLFK  
 TELADPIKTTEKKLAIWKHLSPDIKQQYGEYIEKSLHRLKSNSSVNLDSLVLVGCMDHALTSLFPKTR  
 YIAGKDAKTFWIPLSHMPAVLQDFLLLKQKVELANPKAV

TRTRPLE - GFP Tag - V

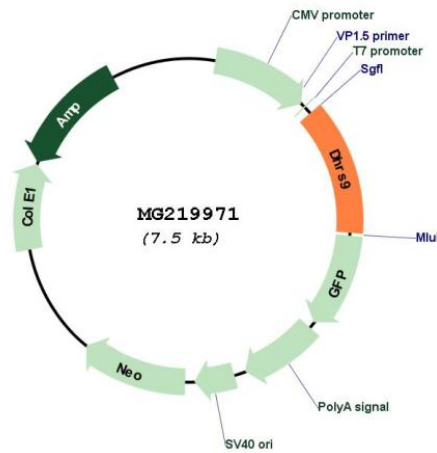
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_175512

**ORF Size:** 957 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175512.2</a> , <a href="#">NP_780721.1</a>
<b>RefSeq Size:</b>	2817 bp
<b>RefSeq ORF:</b>	960 bp
<b>Locus ID:</b>	241452
<b>UniProt ID:</b>	<a href="#">Q58NB6</a>
<b>Cytogenetics:</b>	2 C2
<b>Gene Summary:</b>	3-alpha-hydroxysteroid dehydrogenase that converts 3-alpha-tetrahydroprogesterone (allopregnanolone) to dihydroxyprogesterone and 3-alpha-androstanediol to dihydroxyprogesterone. Plays also a role in the biosynthesis of retinoic acid. Can utilize both NADH and NADPH.[UniProtKB/Swiss-Prot Function]