

## Product datasheet for **MG203373**

### Dhrs11 (NM\_177564) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dhrs11 (NM_177564) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhrs11
Synonyms:	MGC18716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203373 representing NM_177564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTAGAGCTGGCATGGAGCGGTGGCGCACC GGCTGGCACTGGTGACGGGAGCCTCGGGGGGCATCG  
GTGCGGCCGTGGCCGGGCATTAGTCCAGCAGGGACTGAAGTTGTGGTTGTGCCCGCACCGTTGGCAA  
CATCGAGGAGCTGGCTGCTGAATGTAAGAGTGCAGGCTACCCCGGACTTTGATCCCTACAGATGTGAC  
CTGTCAAATGAGGAGGACATCCTCTCCATGTTCTCAGCTGTCCGATCCCAGCACAGTGGCGTGGATATCT  
GCATCAACAATGCCGGCATGGCCCGGCTGACACCCTGCTCTCGGCAGCACCAGCGGATGGAAGGACAT  
GTTCAATGTGAATGTGCTGGCCCTCAGCATCTGCACTCGGGAGGCTTATCAGTCCATGAAGGAGCGGAAC  
ATAGACGACGGGCACATCATTAACATCAACAGCATGTGTGGCCACCGAGTCCCACCCAGTCTGTGATCC  
ATTTCTATAGTGCGACTAAGTATGCCGTCAGTGCAGAGGGACTCAGGCAAGAGCTTCTGGAGGC  
CCAGACCCATATCCGGGCCACGTGTATCTCTCCAGGCTTGGTAGAGACACAGTTCGCCTTCAAATCCAT  
GACAAGGACCCGGGGGAAGCAGCTGCCACCTATGAACACATAAAGTGTCTCAGACCAGAGGACGTGGCTG  
AGGCTGTCATCTACGTTCTTAGCACACCCCCACATGTTTCAGGTTGGTGACATCCAGATGAGGCCACAGA  
GCAGGTGACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203373 representing NM\_177564  
Red=Cloning site Green=Tags(s)

MTRAGMERWRDLALVTGASGGIGAAVARALVQQLKVVGCARTVGNIEELAAECKSAGYPGTLIPYRCD  
 LSNEEDILSMFSAVRSQHSQVDICINNAGMARPDTLLSGSTSGWKDMFNVNLALSICTREAYQSMKERN  
 IDDGHIININSMCGHRVPPQSVIHFYATKYAVTALTEGLRQELLEAQTHIRATCISPLGVETQFAFKLH  
 DKDPGEAAATYEHKCLRPEVDVAEVIYVLSTPPHVQVVDIQMRPTEQVT

TRTRPLE - GFP Tag - V

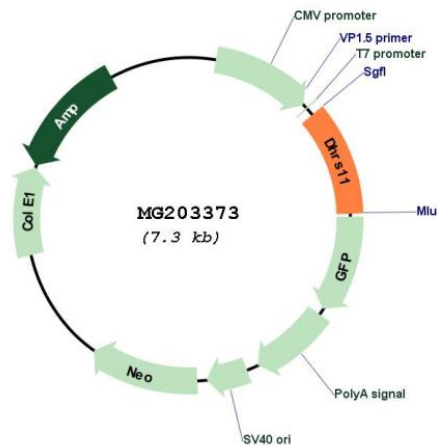
**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_177564

**ORF Size:** 780 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_177564.5</a>
<b>RefSeq Size:</b>	1406 bp
<b>RefSeq ORF:</b>	783 bp
<b>Locus ID:</b>	192970
<b>UniProt ID:</b>	<a href="#">Q3U0B3</a>
<b>Cytogenetics:</b>	11 C
<b>Gene Summary:</b>	Catalyzes the conversion of the 17-keto group of estrone, 4- and 5-androstenes and 5-alpha-androstanes into their 17-beta-hydroxyl metabolites and the conversion of the 3-keto group of 3-, 3,17- and 3,20- diketosteroids into their 3-hydroxyl metabolites. Exhibits reductive 3-beta-hydroxysteroid dehydrogenase activity toward 5-beta-androstanes, 5-beta-pregnanes, 4-pregnanes and bile acids. May also reduce endogenous and exogenous alpha-dicarbonyl compounds and xenobiotic alicyclic ketones.[UniProtKB/Swiss-Prot Function]