

Product datasheet for **MG206169**

Dhodh (NM_020046) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhodh (NM_020046) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhodh
Synonyms:	2810417D19Rik; AI834883
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206169 representing NM_020046 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGCGTGGAGACAGCTGAGAAAGCGGGCCCTGGATGCAGCCATCATCCTTGGGGTGGAGGACTTCTCT
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ACTGCTTGATCCAGAGTCGGCGCACCGGCTAGCTGTTGAGTATCTCCCTGGGGCTCCTCCTCGAGCT
ACGTTTCAGGACTCCAACATGCTGGAAGTGAGAGTCTGGGCCATAAATCCGAAATCCAGTAGGGATTG
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GCTGTTATTAACAGGTATGGATTCAACAGCCACGGGCTCTCAGCGGTGGAACACAGGCTACGGGCCAGAC
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AACGTGTCAGTCCCAACACTGCTGGCCTGAGGAGCCTACAGGAAAGACTGAGCTGCGCCCGCTGCTGT
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TGACCTCAGGCCCAGGACAAGGAGGACATTGCCAGCTGGCCAGAGAGCTGGGCATCGACGGACTGATC
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GTGGGAAGCCACTCCGAGATCTGTCGACCCAGACGATCCGGGAGATGTACGCCCTCACCAAGGCACGAT
TCCCATCATCGGGTTGGTGGTGTGAGCAGCGGACAGGATGCCTTGAGAGAAGATCCAGGCAGGGGCTCC
CTGGTGCAGCTGTACACGGCCCTCACCTTCTTGGGGCCACCAGTCGTGGCCAGGGTCAAGCGTGAGCTGG
AGGCCCTTCTAAAAGAACGGGGTTTTAACACAGTACAGACGCCATTGGAGTAGATCACCGCAGG

ACCGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206169 representing NM_020046
 Red=Cloning site Green=Tags(s)

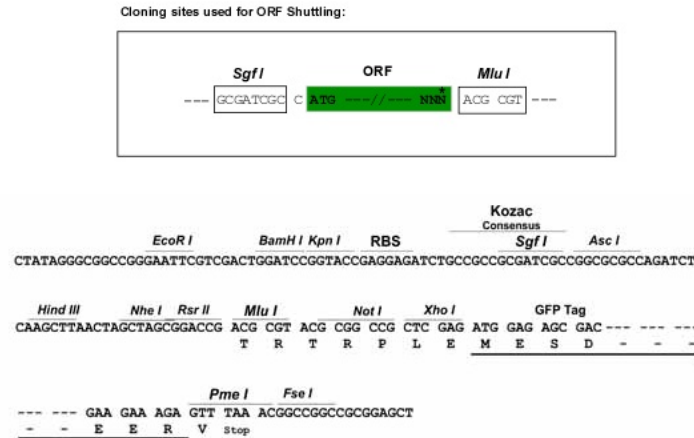
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AVINRYGFNSHGLSAVEHRLRARQQKQTQLTTDGLPLGINLGKNTSVDAADYVEGVRILGPLADYLVV
NVSSPNTAGLRSLQGKTELRRLLSKVLQERDALKGPQKPAVLVKIAPDLTAQDKEDIASVARELGIDGLI
ITNTTVSRPVGLQGALRSETGGLSGKPLRDLSTQTIREMYALTQGTIPIIGVGGVSSGQDALEKIQAGAS
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```

TRTRPLE - GFP Tag - V

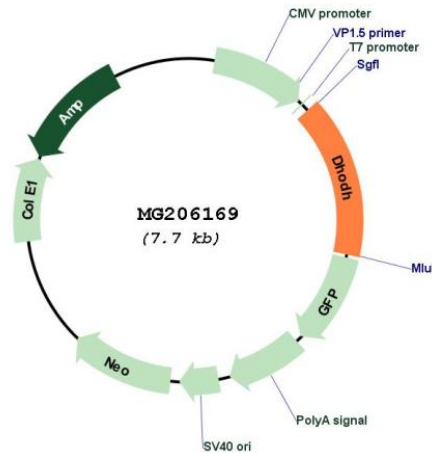
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_020046

ORF Size:	1185 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_020046.3 , NP_064430.1
RefSeq Size:	2318 bp
RefSeq ORF:	1188 bp
Locus ID:	56749
UniProt ID:	O35435
Cytogenetics:	8 D3
Gene Summary:	Catalyzes the conversion of dihydroorotate to orotate with quinone as electron acceptor. [UniProtKB/Swiss-Prot Function]