

Product datasheet for **MG223749**

Dhdh (NM_027903) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dhdh (NM_027903) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dhdh
Synonyms: 1300018L09Rik; AA591799; Xld-1; Xld1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223749 representing NM_027903
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTGCGCTGGGGCATCGTGTGGCTGGCTTAATTGCCAACGACTTACCACCGTGTGAGCTCAC
 TGCCTTCCTCGGAGCACCAGGTGGTAGCGGTAGCTGCGAGGGACCTGAACCGGGCCGAGGAGTTCGCACA
 GAAATTCAACATCCCAAGGCCTATGGCTCTTATGAGGAACTGGCCAAGGACCCAAACGTGGAGGTGGCC
 TACATCGCCACCCAGCACCCCCAGCACAAAGCCAGCCGACTCCTCTGCCTGGCAGCAGGCAAGGCTGTCC
 TTTGTGAGAAACCCATGGGCGTGAATGCAGCAGAAGTTCGGGAGATGGTTGCCAAAGCCGTTTTCAAGG
 CGTCTTCCTTATGGAGGCCATTTGGAGCCGATTTTTTCCTGCCATGGAGGCTCTGAGGGAAGTTTTAGTT
 CAAGGAATATCGGAGACCTACGAGTGGCCCGGCGAGAATTCGGATTTGATTTAAGTCATATAACCCGGG
 CCACAGACTGGAACCAAGCCGGAGGTGGTCTGCTGGACCTAGGCATCTACTGTGTCCAGTTCTTATCCAT
 GATCTTTGGTGCACAGAAGCCAGAGAAGATTTAGCTGTTGGGAGGATCCATGAAACAGGTGTGGATGAC
 ACTGTCAGCGTACTTCAAGTATCCAGGAGGGTTTATGGCAGCTTACCTGCAGCATCTCTCCAACC
 TCCCAACACAGCGTATGTGAGTGGTACCAAGGGCATGGCCAGATTCAAAAATTGTGGGCCCAACAGA
 GCTGGTGGTGAATGGAGAGAGGAAGGAGTTCCTCCGCTGTCTTGGGAAGGACTACAATTTGTAAT
 GGGTCATGCATGCTCTATGAAGCCAACACGTCGTGAGTGCCTGCGTAAAGGCTTAAGGAGAGTCCTG
 TAGTTCCTCTGGCAGAGAGTGAAGTCTTGGCTGAGATCCTTGAGGAGCGAGGAAGGCCATTGGAGTCAC
 CTCCCCCAGGATAAACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223749 representing NM_027903
 Red=Cloning site Green=Tags(s)

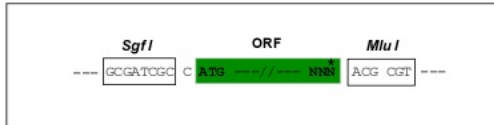
MALRWGIVSAGLIANDFTTVLSSLPSSEHQVVAARDLNRAEEFAQKFNIPKAYGSYEELAKDPNVEVA
 YIATQHPQHKPAVLLCLAAGKAVLCEKPMGVNAAEVREMVAKARFQGVFLMEAIWSRFFPAMEALREVLV
 QGTIGDLRVARAEFGFDLSHIPRATDWNQAGGGLLDLGIYCVQFLSMIFGAQKPEKISAVGRIHETGVDD
 TVSVLLQYPGGVHGSFTCSISSNLPNTAYVSGTKGMAQIQKLWAPTELVVNGERKEFPPPVLGKDYNFVN
 GSCMLYEANHVRECLRKGLKESPVVPLAESELLAEILEEARKAIGVTFPQDKR

TRTRPLE - GFP Tag - V

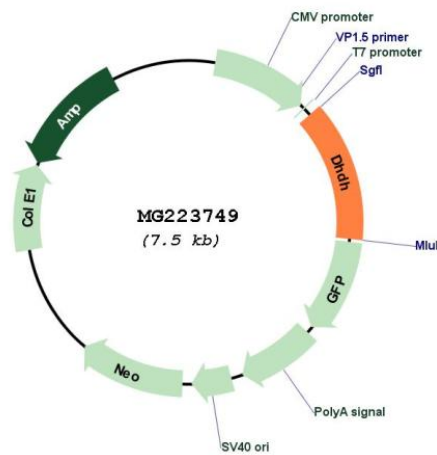
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_027903

ORF Size: 999 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_027903.3 , NP_082179.1
RefSeq Size:	2738 bp
RefSeq ORF:	1002 bp
Locus ID:	71755
UniProt ID:	Q9DBB8
Cytogenetics:	7 29.32 cM