

Product datasheet for MR223749

Dhdh (NM_027903) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhdh (NM_027903) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dhdh
Synonyms:	1300018L09Rik; AA591799; Xld-1; Xld1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223749 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGCTGCGCTGGGGCATCGTGTGGCTGGCTTAATTGCCAACGACTTTACCACCGTGTGAGCTCAC
TGCCTTCTCGGAGCACCAGGTGGTAGCGGTAGCTGCGAGGGACCTGAACCGGGCCGAGGAGTTCGCACA
GAAATTCAACATCCCAAGGCCTATGGCTTTATGAGGAAGTGGCAAGGACCCAAACGTGGAGGTGGCC
TACATCGCCACCCAGCACCCAGCACAAGCCAGCCGACTCCTCTGCCTGGCAGCAGGCAAGGCTGTCC
TTTGTGAGAAACCATGGGCGTGAATGCAGCAGAAGTTCGGGAGATGGTTGCCAAAGCCGTTTTCAAGG
CGTCTTCTTATGGAGGCCATTTGGAGCCGATTTTTCTGCCATGGAGGCTCTGAGGGAAGTTTTAGTT
CAAGGAATATCGGAGACCTACGAGTGGCCCGGCGAGAATTCGGATTTGATTTAAGTCATATAACCCGGG
CCACAGACTGGAACCAAGCCGGAGGTGGTCTGCTGGACCTAGGCATCTACTGTGTCCAGTCTTATCCAT
GATCTTTGGTGCACAGAAGCCAGAGAAGATTTAGCTGTTGGGAGGATCCATGAAACAGGTGTGGATGAC
ACTGTCAGCGTACTTCAATCCAGGAGGGTTTATGGCAGCTTACCTGCAGCATCTCTCCAACC
TCCCAACACAGCGTATGTGAGTGGTACCAAGGGCATGGCCAGATTCAAAAATTGTGGGCCCAACAGA
GCTGGTGGTGAATGGAGAGAGGAAGGAGTTCCTCCGCTGTCTTGGGAAGGACTACAATTTGTAAAT
GGTTCATGCATGCTCTATGAAGCCAACACGTCGTGAGTGCCTGCCTAAAGGCTTAAGGAGAGTCCTG
TAGTTCTCTGGCAGAGAGTGAGCTCTTGGCTGAGATCCTTGAGGAGCCGAGGAAGGCCATTGGAGTCAC
CTTCCCCCAGGATAAACGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR223749 protein sequence
Red=Cloning site Green=Tags(s)

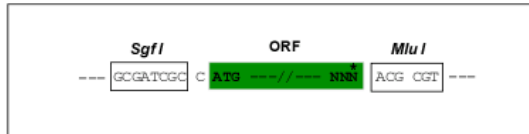
MALRWGIVSAGLIANDFTTVLSSLPSSEHQVVAVAARDLNRAEFAQKFNIPKAYGSYEELAKDPNVEVA
 YIATQHPQHKPAVLLCLAAGKAVLCEKPMGVNAAEVREMVAKARFQGVFLMEAIWSRFFPAMEALREVLV
 QGTIGDLRVARAEFGFDLSHIPRATDWNQAGGLLDLGIYCVQFLSMIFGAQKPEKISAVGRIHETGVDD
 TVSVLLQYPGGVHGSFTCSISSNLPNTAYVSGTKGMAQIQKLWAPTELVNNGERKEFPVPLGKDYNFVN
 GSCMLYEANHVRECLRKGLKESPVVPLAESELLAEILEEARKAIGVTFPQDKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027903

ORF Size: 1002 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:

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_027903.1](#), [NM_027903.2](#), [NM_027903.3](#), [NP_082179.1](#)

RefSeq Size: 2738 bp

RefSeq ORF: 1002 bp

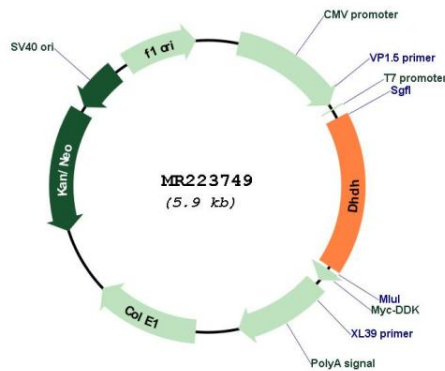
Locus ID: 71755

UniProt ID: [Q9DBB8](#)

Cytogenetics: 7 29.32 cM

MW: 36.4 kDa

Product images:



Circular map for MR223749