

Product datasheet for **MR207410**

L2hgdh (NM_145443) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	L2hgdh (NM_145443) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	L2hgdh
Synonyms:	BC016226
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207410 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCCGACCCTGCGCTACGTAGGCGGTGTCTGCGGACTGGCCCGGACTGCGTGGCTGGGGCTTCC
 TCCGCGCAAGTGGACCGCGTCCGGGGTCCCGGCTACTGTGCGGGGGTGGCCGAGAAGCTCCAGCAC
 CAGCTCTTTTGATATAGTCATCGTTGGAGGTGGAATTGTGGCCTTGCCTCTGCCAGAACGCTCATCCTG
 AAACATCTGGACTTTCGATTGGTGTGGTGGAAAAGGAGAAAGATTTAGCTCTTCACCAGACTGGACACA
 ACAGCGGTGTACACAGTGGTATTTACTATAAACAGAAATCTCTGAAGGCTAAATTTGTGTGTAGAAGG
 CGCAGCCCTCATCTATGAGTACTGCAACCTCAAGGGAATCCCTACAGGCAATGTGGCAAGCTAATAGTA
 GCTGTTGAACAAGAAGAAATCCAGACTTCAGGCCTTGTATGAGAGAGGCTGCAGAATGGAGTCGAAG
 GCCTGAGGCTGATCCAGCAGGAGGATATAAAAAAGAAGGAGCCGTATTGCAGGGGCTAATGGCTATTGA
 TTGTCCATACACCGGCATTGTGAACTACCAACAGGTAGCTTTGTCATTTGCCAGGATTTCAAGAAGCA
 GGTGGCTCTATCTTGAGAGATTTGAGGTAAGGATTTGAAATAGCTAAAGAAAACCTTCAAGAAGTA
 AAGATGGCATGAACTATCCAATCGCTGTCAAGAACAGCAAGGAAAGGAGATTCGGTGTGCGATATGTTGT
 CACATGTGCTGGTCTTTACTCTGACCGTATTTAGAGTTGAGTGGCTGCAATCCTGACCCCTCAAATTTGTC
 CCATTCGGGGGAGATTACCTGGTCTTAAAGCCAGAAAAGGGCTACCTTGTAAAAGGAAATATTTATCCGG
 TCCAGACAGCCGGTTTCTTTCTCGGAGTTCACCTTACGCCAGGTTGGATGGCACTATTTGGCTAGG
 GCCTAATGCAGTGCTTGCCTTAAACGGGAAGGTTACAGACCTTTGACTTCGATGCCAGAGATGTTATG
 GAAGTAATCTCAAAGCGGCTTCATTAACCTGGTGTCCAGCATTCTCTTATGGAGTTAATGAAATGT
 ATAAAGCCTGTTTCTCAGTGAACAGTGAAGCATCTTCAAAGTTCATTCCTGAAATCACCATCAGCGA
 TGTCTTCGAGGTCCTGCTGGAGTACGGGCCAGGCCCTGGACAGAGATGGAAATCTGGTAGAGGATTTT
 GTGTTTGACGGAGGACTGGCGAGATTGACAGCCGCTCCTTATGTGAGAAATGCGCCTTCGCTGCTG
 CCACTTCTCCCTGGCAATTTCTAGAATGATAGCAGAGGAAGCACAGCAAAGGTTTAAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207410 protein sequence
 Red=Cloning site Green=Tags(s)

MWPTLRYVGGVCLARYCVAGGFLRASGPASGVPGLLCGGRRSSSTSSFDIVIVGGGIVGLASARTLIL
 KHPGLSIGVVEKEKDLALHQTGHNSGVIHSGIYKPELAKKLCVEGAALIYEYCNLKGIPYRQCGKLIV
 AVEQEEIPRLQALYERGLQNGVEGLRLIQQEDIKKKPEYCRGLMAIDCPYTGIVNYQQVALSFAQDFQEA
 GGSILRDFEVKGIIEIAKENSRSKDGMYPIAVKNSKGKEIRCXYVVTTCAGLYSDRISELSGCNPDPQIV
 PFRGDYLVLPKPEKGYLVKGNIPVPDSRFPFLGVHFTPRLDGTIWLGNVAVLAFKREGYRPFDFDARDVM
 EVILKSGFINLVFQHFYGVNEMYKACFLSETVKHLQKFIPEITISDVLRGPAGVRAQALDRDGNLVEDF
 VFDGGTGEIADRVLHVRNAPSPAATSSLAISRMI AEEAQQRFKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_145443

ORF Size: 1395 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_145443.1](#), [NP_663418.1](#)

RefSeq Size: 3338 bp

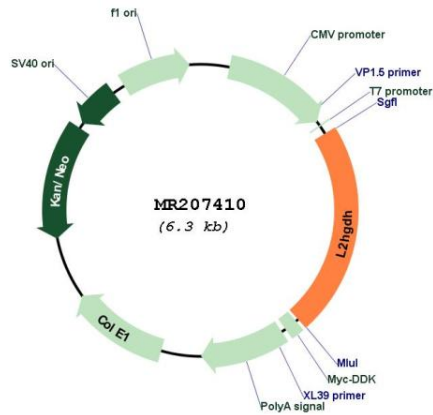
RefSeq ORF: 1395 bp

Locus ID: 217666

UniProt ID: [Q91YP0](#)

Cytogenetics: 12 C2
 MW: 50.9 kDa

Product images:



Circular map for MR207410