

Product datasheet for **MR204903**

Ldhc (NM_013580) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldhc (NM_013580) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldhc
Synonyms:	Ldh-3; LDH-C4; Ldh-x; Ldh3; Ldhc4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204903 representing NM_013580 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGTCCACCGTCAAGGAGCAGCTGATTCAGAACCTAGTCCGGAAGATAAACTTTCCCGGTGAAGATTA
CTGTGGTCGGAGTTGGAAATGTGGGCATGGCGTGTGCTATTAGTATTTACTGAAGGTTTGGCTGATGA
ACTTGGCCTTGTTGACGCTGATACGAACAACTGAGGGGAGAGGCACTGGATCTTCTGCACGGCAGTCTT
TTCCTTAGCACTCAAAAATCGTCTTTGAAAAGATTACAATGTATCTGCCAACTCCAACTGGTTATTA
TCACAGCTGGTGAAGAATGGTGTCTGGAGAACTCGCCTTGACCTGCTCAACGTAATGTCGCTATCAT
GAAAGCCATTGTTCCGGGCAATTGTCAAAACAGTCCGGACTGTAAAATAATTATGCTCACTAACCCAGTG
GATATTTTGACATACGTGGTTTGAAGATAAGCGGCTTCCTGTAGGCCGTGTGATCGGAAGTGGCTGTA
ACCTAGACTCAGCACGTTTTTCGTTACCTGATTGGGGAGAAGCTGGGTGTCAACCCACAAGCTGCCACGG
CTGGGTCTTGGAGAACATGGGGACTCCAGTGTGCCATATGGAGTGGTGTAAACGTTGCTGGCGTAACT
CTGAAGTCACTGAACCCAGCAATAGGAAGTACTCAGATAAGGAACACTGGAAAAATGTTACAAGCAGG
TGGTGAAGGCGGCTATGAGGTCCTTAACATGAAGGGCTATACCTCTTGGGCTATCGGGCTGTCTGTGAC
TGATCTGGCGGATCCATCTTGAAGAATCTTAAGAGAGTGCATCCTGTTACCACGCTGGTTAAGGGCTTC
CATGGGATAAAGGAAGAGGTCTTCTCAGTATCCCTTGTGTCTTGGGACAAAGTGGTATCACAGACTTTG
TGAAAGTCAACATGACCGCTGAGGAGGAGGGTCTCCTCAAGAAGAGTGCGGACACACTCTGGAATATGCA
GAAGGATCTGCAGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204903 representing NM_013580
Red=Cloning site Green=Tags(s)

MSTVKEQLIQNLVPEDKLSRCKITVVGNGVGMACAISILLKGLADELALVDADTNKLRGEALDLLHGSL
 FLSTPKIVFGKDYNVSANSKLVIIITAGARMVSGETRLDLLQRNVAIMKAI VPGIVQNSPDCKIIIVTNPV
 DILTYVVKISGFPVGRVIGSGCNLDSARFRYLIGEKLGVNPTSCHGWVLGEHGDSSVPIWSGVNVAGVT
 LKSLNPAIGTDSKKEHWKNVHKQVVEGGYEVLMKGYTSAIIGLSVTDLARSILKLNLRVHPVTTLVKGF
 HGIKEEVFLSIPCVLGGSGITDFVKVNMATAEEGLLKKSadTLWNMQDLQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013580

ORF Size: 996 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_013580.4](#), [NP_038608.1](#)

RefSeq Size: 1310 bp

RefSeq ORF: 999 bp

Locus ID: 16833

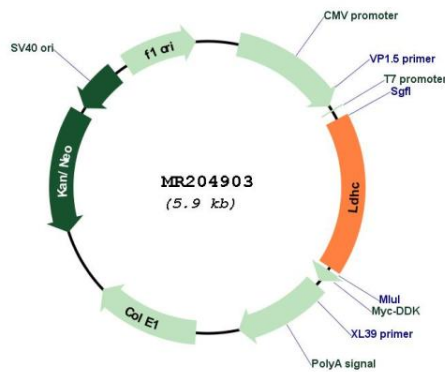
UniProt ID: [P00342](#)

Cytogenetics: 7 30.6 cM

MW: 36.4 kDa

Gene Summary: Possible role in sperm motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204903