

## Product datasheet for MR205974

### Ldhal6b (NM\_175349) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ldhal6b (NM_175349) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldhal6b
Synonyms:	4933402O15Rik; AI326310; Ldhal; LDHL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205974 representing NM_175349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCTGGGCTACAAGCATCTTGAGAGCCAGCAGAAGAGTGAGTACAACCAGGGTAGATTTCAAGGGCT  
TTGGCATAGCTCTATGGCCAGTCAGGTGCAACGTGTCCCTCCCAACCGGGCTGGTGGAGCCTCACGCC  
CACGTCTCCATGGCGACCGTGAAGGGTGAACCTATCCAGCACATCAGCTCCGAAGAGCCGTTCTCCAC  
AACCAAGGTCTCCATTGTAGGAAGTGGATCAGTCGGCATGGCCTGTGCCATCGGCATCATAGCGAAAGGCT  
TGACTGACGAGCTCGCCCTTGTGATAAATGAAGAAAAATGAAGGGTGAAGACGATGGATCTTCAGCA  
CGGCAGTGTCTTCATGAAAATGCCAAATATTGTTTGCAGCAAGGATTTCCGTGTCACTGCCAACTCTGAG  
GTAGTGATTATCACAGCGGGTGCACGCCAAGAGAAAAATGAGACACGCCTGAATTTAGTCCAGCGAAACG  
TAACCATCTTTAAGGCAATGGTTGCGGAAATATCAAGCACAGCCCTCGCTGCAAAATATTGTTGTCTC  
CAATCCAGTGGATATCTTAACCTTCGTAACCTGGAAGTTGAGTGGGTTTCCCAAAAACCGTATTATTGGA  
AGCGGCTGTAACCTAGATACAGCTCGCTTCCGTTACATGCTCGGGCAGAGGCTTGGGATCCACTCTGAAA  
GCTGCCACGGGTGGTCCCTTGGAGAGCATGGAGATTCAAGTGTCCCTGTGTGGAGTGGTGTGAACATCGC  
CGGCGTGGCGCTGAGAGAGCTGAATTCAGCTATAGGAACAAGCAAAGACCCCGAGAAATGGGGCGATGTC  
CACAAAGAAGTCATTGCCAGTGCCTATAATATTATCAAAATGAAAGGTTATACTTCTGGGCCATTGGCC  
TGCTGTAACGTGATATTGCAGAGAGTATCCTGAAGAATCTCAGGAAGACGCATCCAGTTACCACCAAAAT  
CCAAGGTCTTACGGAATCAAAGAGGAGGTGTTCTCAGCGTGCCTTGTATCCTGGGAGAGAGTGGCATA  
TCTGATATCATAAAGGTTAAAGCTGAGCCCTACAGAGGAGGCCAGATGGTAAAGAGCGCAGAGACTATT  
GGAAAAACAGAAAGATATTAAGTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205974 representing NM\_175349  
Red=Cloning site Green=Tags(s)

MAWATSILRASRRVSTTRVDFKGFALWPSQVQRVPPNRAWWSLTPTSSMATVKGELIQHISSEEPVLH  
 NKVSIIVGTGSGMACAIGIIAKGLTDELALVDNNEEKMKGETMDLQHGVSFVKMPNIVCSKDFRVANSE  
 VVITAGARQEKNETRLNLVQRNVTIFKAMVAEIIKHSPRCKIIIVSNPVDILTFVTWKLSGFVKNRIG  
 SGCNLDARFRYMLGQRLGIHSESCHGWLGEHGDSSVPVWVSGVNIAGVPLRELSAIGTSKDPEKWGDV  
 HKEVIASAYNIKMKGYTSWAIGLSVTDIAESILKNLRKTHPVTTKIQGLYGIKEEVFLSVPICILGESGI  
 SDIIKVKLSPTEEAQMVKSAETIWKIQDKIKF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9062\\_g07.zip](https://cdn.origene.com/chromatograms/mm9062_g07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_175349

**ORF Size:** 1146 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\_175349.2, NP\_780558.1

**RefSeq Size:** 1463 bp

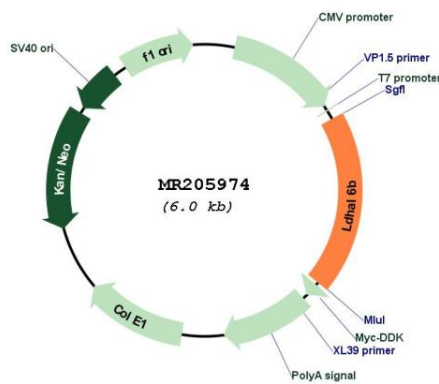
**RefSeq ORF:** 1149 bp

**Locus ID:** 106557

**Cytogenetics:** 17 A1

**MW:** 42 kDa

**Product images:**



Circular map for MR205974