

Product datasheet for **RR201555**

Ldhd (NM_001008893) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldhd (NM_001008893) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldhd
Synonyms:	Ac2-202
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201555 representing NM_001008893
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCTGGTATATGGAGCAGTGAACAGCAGGAGGCCATCTCAGCAAGGCATGTCTGTGGCTTCTGCT
GTCTTTCTACGACCCTTGCACTGTTTCTCCCCTGCAGGGTGGACTCAGCCAGGACTTTGTGGAGGCTCT
GAAGGCAGTTGTAGGGAGCCCCATGTGTCCACTGCTTCTGCGGTGAGACAGCATCATGGGCATGATGAA
TCAATGCACAGGTGTCGACCTCCTGATGCTGTGGTGTGGCCTCAGAATGTGGACCAGGTGAGCCGACTGG
CAAGCCTGTGCTACAATCAAGGTGTTCCCATCATCCATTGGCACAGGCACCGGTGTTGAGGGGGGAGT
GTGTGCTGTGCAGGGTGGAGTGTGCATCAGCCTGACTCACATGGACCAGATCATGGAGCTGAACACAGAA
GACTTCTCAGTGGTTGTGGAGCCTGGCGTCACCCGTAAGCTCTCAATACCCACCTGCGTAACAGCGGCC
TTTGGTTTCCAGTTGACCAGGTGCAGATGCTTCTCTGTGTGGCATGGCAGCCACTGGGGCTCGGGCAC
CAATGCTGTGCGCTATGGAACCATGCGTGACAATGTGATCAACCTGGAGGTGGTGTGCTGACGGCAGG
CTGCTTACACGGCAGGCCGGGGCCGCCATTATAGGAAGAGTGCAGCTGGCTACAATCTCACAGGACTCT
TTGTGGGCTCTGAGGGGACTCTGGGCATCATTACATCTGCCACCCTGCGCTGCACCCTGCACCCGAAGC
CACAGTGGCTGCTACCTGTGCGTTCACAGCGTTCAGAGTGTGGATAGCACAGTTCAGATCCTCCAG
GCTGCAGTGCCTGTGGCCCGCATCGAGTTCCTGGATGAAGTCAATGATGGATGCCTGCAACAGACACAGCA
AACTTAACTGCCCTGTGGCCCCACACTTTTCTGGAGTTCACGGTTCACAGCAGGCACTGGCAGAAACA
GTTGCAGCGCACAGAGGCAATCACTCAGGATAATGGCGGCTCTCACTTCTCTGGCCAAAGGAGGCCGAA
AAGCGCAATGAACCTTTGGGCTGCACGGCACAATGCTTGGTATGCAGCTTGGCCCTGCGTCCAGGAAGG
TCATTGTTGGCATGTGGGTGACGGCACTTTCCTGATCCTGTTGGTCAACCCAGATGATGTGGAGGA
GCAGAGGAGGGTCAAGGCCCTTTCAGAAAAATCTGGGCAGGCGTGCCTGGCACTCCATGGGACATGTACC
GGAGAACATGGCATCGGTCTGGCAAGAGGAGCTGCTTCAAGAGGAAGTGGTCTGTGGTGTGGAGA
CCATGAGGCAACTCAAAGACACTGGATCCCCGAGTGTCTTTCAGAAAAAGGAGGATGAAGAGGAAGAA
GAGGAAGG
GGCGACCATGCTGCCGAGCCTCCTTTCTGCAC

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201555 representing NM_001008893
Red=Cloning site Green=Tags(s)

MPGIWSSEQQEALSQQGHVCGFCCLSYDPCTVSPLQGGLSQDFVEALKAVVGSFHVSTASAVRQHHGHDE
SMHRCRPPDAVVPQNVQVSRSLASLCYNQGVPIIPFGTGTGVEGGVCAVQGGVCISLTHMDQIMELNTE
DFSVVVEPGVTRKALNTHLRNSGLWFPVDPGADASLCGMAATGASGTNAVRYGTMRDNVINLEVLDPGR
LLHTAGRGRHYRKSAAAGYNLTGLFVSGEGLGIITSATLRLHPAPEATVAATCAFPSVQAAVDSTVQILQ
AAVPVARIEFLDEVMDACNRHSLNCPVAPTLFLEFHGSQQALAEQLQRTEAITQDNGGSHFSWAKEAE
KRNELWAARHNAWYAALALRPRVIVGHVDGNFHCILLVNPDDVEEQRRVKAF AENLGRRALALHGTCT
GEHGIGLGRQLLQEEVGPVGVETMRQLKDTLDPRVSSEKRRMKRKRKEEEEEEEEEKEKDDNDGVK
GDHAAAASFLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

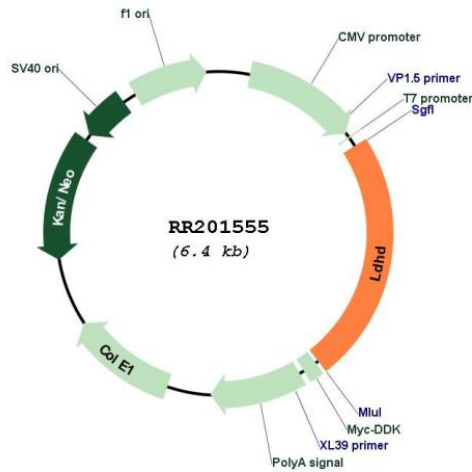
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001008893

ORF Size: 1503 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_001008893.1](#), [NP_001008893.1](#)

RefSeq Size: 1512 bp

RefSeq ORF: 1506 bp

Locus ID: 307858

Cytogenetics: 19q12

MW: 54.3 kDa