

Product datasheet for **MR205576**

Lypd3 (NM_133743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lypd3 (NM_133743) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lypd3
Synonyms:	2310061G07Rik; C4.4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205576 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCCGCCAGGAGAGGAGATACACAGCCAGTGATGTGGACCACCGGATGGCTGTTGCTGCTGCCGC
TTCTGCTGTGTGAAGGAGCGCAAGCCCTGGAGTGCTACAGCTGCGTGCAGAAGGCCGACGATGGATGCTC
TCCGCACAGGATGAAGACAGTCAAATGTGGTCCCGGGTGGACGTCTGTACCGAGGCCGTGGGAGCGGTA
GAGACCATCCACGGCAATTCTCTGTGGCGGTGCGGGGCTGCGGTTCCGGAATCCCGGGCAAGAACGACC
GCGGACTGGACCTCACGGGCTCCTGGCCTTCTTTCAGCTACAGCAGTGCTCCGAGGACCGATGCAACGC
CAAACCTCAACCTCACTTTGCGAGGCCTCAACCCTGCAGGCAATGAGAGTGATATGAGCCTAACGGTGCA
GAGTGCTACAGCTGTGTGGTCTGAGCCGCGAGAAGTGCCAGGGCTCCATGCCGCCGGTCTGTAAGTGTCT
ACAACGCCAGTGGCCGTGTCTACAAGGGTGTCTCGATGGTAACGTACCCCTGACGGCAGCCAACGTGAC
CGTGTCTTACCTGTCCGAGGCTGCGTCCAGGACGAGACCTGCACCCGGGATGGGGTGACGGGTCCAGGA
TTCACACTCAGCGGCTCTTGCTGTCAAGGCCCCGCTGTAACGCCGACCTTCGCAACAAGACCTATTTCT
CCCCTCGAATCCCACCCCTAGTCTGTGCCCCCTCAACCACCGCAGCCCCATCCACTCGGGCCAGAA
CTCCTCCAGCACGACCTTACAGCAGCCCCAACCAAGACACCTCCATCATCAAGCCACACAGCCCAA
GCCAGCCACACTTCTCCCATGAAATGGATCTCGAAGTCATACAGGAAGGGGGCGTGTGAGTGGAG
GTGCTGCGGGCCATGGAGTACTGCGGGCCATGGAGGTGCTGCGGGCCACCAAGACCGCAGCAATATGGA
GAAGTATCCAGGAAAGGGTGGGGCCAGATCCCAGCTAAAGGAGGCTCTGGCACTCTAGGGTCTGGTTG
TCTGCAGTTCTGTGACTGTGGTGTGGCGCATGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205576 protein sequence
 Red=Cloning site Green=Tags(s)

MDAARRGDTQPVMWTTGWLLLLPLLLCEGAQALECYSCVQKADDGCSPHRMKTVKCGPGVDVCTEAVGAV
 ETIHGQFVAVRGC GSGIPGKNDRGLDLHGLLAFFQLQQCEDRCNAKLNLT RGLNPAGNESAYEPNGA
 ECYSCVGLSREKCGQSMPPV VNCYNASGRVYKGCDFGNVTLT AANVTVSLPVRGCVQDETCTRDGVTGPG
 FTLSGSCCQGPCRNADLRNKTYFSPRIPLVLLPPPTTAAPSTRAQNSSSTTSTAAPTTTTSI IKPTTAQ
 ASHTSPHEMDLEVIQEEGASLSGGAAGHG GTAGHGGAAGHQDRSNMEKYPKGGAQIPAKGGSGTLGSWL
 SAVLLTVVAGAML

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_133743

ORF Size: 1092 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_133743.1](#), [NP_598504.1](#)

RefSeq Size: 1659 bp

RefSeq ORF: 1092 bp

Locus ID: 72434

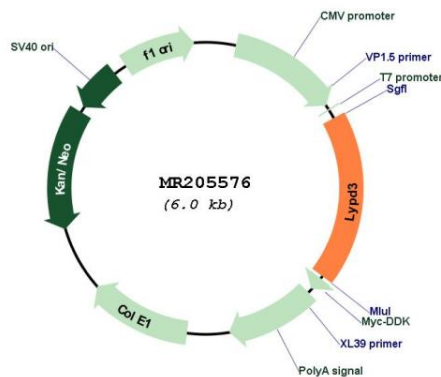
UniProt ID: [Q91YK8](#)

Cytogenetics: 7 A3

MW: 37.5 kDa

Gene Summary: Supports cell migration. May be involved in tumor progression (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205576