

Product datasheet for **MG205576**

Lypd3 (NM_133743) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lypd3 (NM_133743) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lypd3
Synonyms:	2310061G07Rik; C4.4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205576 representing NM_133743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCCGCCAGGAGAGGAGATACACAGCCAGTGATGTGGACCACCGGATGGCTGTTGCTGCTGCCGC
TTCTGCTGTGTGAAGGAGCGCAAGCCCTGGAGTGTACAGCTGCGTGCAGAAGGCGGACGATGGATGCTC
TCCGCACAGGATGAAGACAGTCAAATGTGGTCCCGGGTGGACGTCTGTACCGAGGCCGTGGGAGCGGTA
GAGACCATCCACGGCAATTCTCTGTGGCGGTGCGGGGCTGCGGTTCCGGAATCCCGGGCAAGAACGACC
GCGGACTGGACCTTACGGGCTCCTGGCCTTCTTTCAGCTACAGCAGTGTCCGAGGACCGATGCAACGC
CAAACCTCAACCTCACTTTGCGAGGCCTCAACCCTGCAGGCAATGAGAGTGCATATGAGCCTAACGGTGCA
GAGTGCTACAGCTGTGTGGTCTGAGCCGCGAGAAGTGCCAGGGTCCATGCCGCGGTCGTGAACCTGCT
ACAACGCCAGTGGCCGTGTCTACAAGGGTGTCTCGATGGTAACGTACCCCTGACGGCAGCCAACGTGAC
CGTGTCTTACCTGTCCGAGGCTGCGTCCAGGACGAGACCTGCACCCGGGATGGGGTGACGGGTCCAGGA
TTCACACTCAGCGGCTCTTGCTGTCAAGGCCCCGCTGTAAACGCCGACCTTCGCAACAAGACCTATTTCT
CCCCTCGAATCCCACCCCTAGTCTGTGCCCCCTCAACCACCGCAGCCCCATCCACTCGGGCCAGAA
CTCCTCCAGCACGACCTTACAGCAGCCCCAACCAAGACACCTCCATCATCAAGCCACCAAGCCCCAA
GCCAGCCACACTTCTCCCATGAAATGGATCTCGAAGTCATACAGGAAGAGGGGGCGTGTGAGTGGAG
GTGCTGCGGGCCATGGAGTACTGCGGGCCATGGAGGTGCTGCGGGCCACCAAGACCGCAGCAATATGGA
GAAGTATCCAGGAAAGGTTGGGGCCAGATCCCAGCTAAAGGAGGCTCTGGCACTCTAGGGTCTGGTTG
TCTGCAGTTCTGTGACTGTGGTTGCTGGCGCATGCTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205576 representing NM_133743
 Red=Cloning site Green=Tags(s)

```
MDAARRGDTQPMWTTGWLLLLPLLLCEGAQALECYSCVQKADDGCSPHRMKTVKCGPGVDVCTEAVGAV
ETIHGQFSVAVRGC GSGIPGKNDRGLDLHGLLAFFQLQQCEDRCAKLNLTLRGLNPAGNESAYEPNGA
ECYSCVGLSREKCGQSMPPV VNCYNASGRVYKGCDFGNVTLTAANVTVSLPVRGCVQDETCTRDGVTGPG
FTLSGSCCQGPCRNADLRNKTYFSRIPPLVLLPPPTTAAPSTRAQNSSSTTSTAAPTTTTSI IKPTTAQ
ASHTSPHEMDLEVIQEEGASLSGGAAGHGAGTAGHGAAGHQDRSNMEKYPGKGGAQIPAKGGSGTLGSQL
SAVLLTVVAGAML
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133743

ORF Size: 1089 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

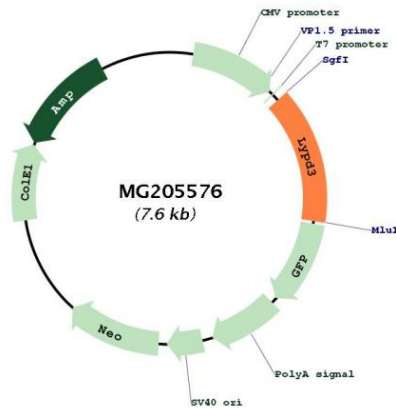
Locus ID: 72434

UniProt ID: [Q91YK8](#)

Cytogenetics: 7 A3

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

Product images:



Circular map for MG205576