

Product datasheet for RG205703

LYPD1 (NM 144586) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: LYPD1 (NM_144586) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: LYPD1

Synonyms: LYPDC1; PHTS

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG205703 representing NM_144586

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGTGGGTCCTAGGCATCGCGGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCC
AGTGCTACCAGTGTGAAGAATTCCAGCTGAACAACGACTGCTCCTCCCCCGAGTTCATTGTGAATTGCAC
GGTGAACGTTCAAGACATGTGTCAGAAAGAAGTGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCC
TGTGCATCATCAGCGGCCTGTCTCATCGCCTCTGCCGGGTACCAGTCCTTCTGCTCCCCAGGGAAACTGA
ACTCAGTTTGCATCAGCTGCTGCAACACCCCTCTTTGTAACGGGCCAAGGACAAAAAGGGGAAGTTC
TGCCTCGGCCCTCAGGCCAGGGCTCCGCACCACCATCCTGTTCCTCAAATTAGCCCTCTTTCTCGGCACAC

TGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205703 representing NM_144586

Red=Cloning site Green=Tags(s)

MWVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIVNCTVNVQDMCQKEVMEQSAGIMYRKS CASSAACLIASAGYQSFCSPGKLNSVCISCCNTPLCNGPRPKKRGSSASALRPGLRTTILFLKLALFSAH

С

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

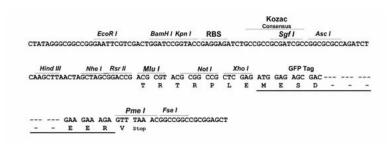
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Cloning Scheme:





ACCN: NM_144586

ORF Size: 423 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: NM 144586.7

RefSeq Size: 2683 bp RefSeq ORF: 426 bp



 Locus ID:
 116372

 UniProt ID:
 Q8N2G4

 Cytogenetics:
 2q21.2

Protein Families: Druggable Genome, Transmembrane

Gene Summary: Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro

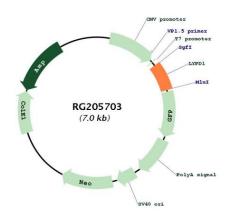
increases receptor desensitization and decreases affinity for ACh of alpha-4:beta-2-containing

nAChRs. May play a role in the intracellular trafficking of alpha-4:beta-2 and alpha-7-

containing nAChRs and may inhibit their expression at the cell surface. May be involved in the

control of anxiety.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205703