

Product datasheet for RC205703

LYPD1 (NM_144586) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LYPD1 (NM_144586) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LYPD1
Synonyms: LYPDC1; PHTS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC205703 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGGTCTAGGCATCGCGCAACTTTTTGCGGATTGTTCTTGCTTCCAGGCTTTGCGCTGCAAATCC
AGTGCTACCAGTGTGAAGAATTCAGCTGAACAACGACTGCTCCTCCCCGAGTTCATTGTGAATTGCAC
GGTGAACGTTCAAGACATGTGTGAGAAAGATGATGGAGCAAAGTGCCGGGATCATGTACCGCAAGTCC
TGTGCATCATCAGCGCCTGTCTCATCGCCTCTGCCGGTACCAGTCTTCTGCTCCCAGGAACTGA
ACTCAGTTTGCATCAGCTGCTGCAACACCCTCTTTGTAACGGGCCAAGGCCAAGAAAAGGGGAAGTTC
TGCTCGGCCCTCAGGCCAGGGCTCCGACCACCATCCTGTTCTCAAATTAGCCCTCTTCTCGGCACAC
TGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205703 protein sequence
Red=Cloning site Green=Tags(s)

MWVLGIAATFCGLFLLPGFALQIQCYQCEEFQLNNDCSSPEFIVNCTVNVQDMCQKEVMEQSAGIMYRKS
CASSAACLIASAGYQSFCSPGKLNVCISCCNTPLCNGPRPKRKGSSASALRPGLRTTILFLKLALFSAH
C

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6437_d09.zip

Restriction Sites: SgfI-MluI

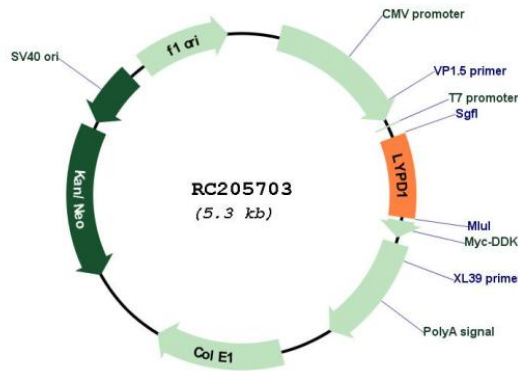


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Cloning Scheme:



Plasmid Map:



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.

RefSeq: [NM_144586.7](#)

RefSeq Size: 2683 bp

RefSeq ORF: 426 bp

Locus ID: 116372

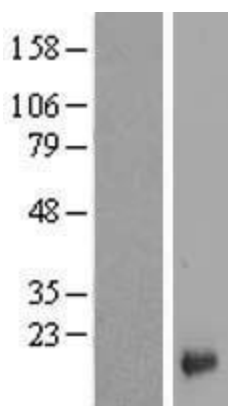
UniProt ID: [Q8N2G4](#)

Protein Families: Druggable Genome, Transmembrane

MW: 15.2 kDa

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:



Western blot validation of overexpression lysate (Cat# [LY408233]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205703 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).