

## Product datasheet for **RG207249**

### LYPD6B (NM\_177964) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LYPD6B (NM\_177964) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LYPD6B  
**Synonyms:** CT116; LYPD7  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207249 representing NM\_177964  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCTGATTACTCTGAGTGCAAACCTTTTCACTGTTCCAGAGAGGAGCCTGACAACCACATTCTCTCT  
TCTCAAGATATAAGAGTTCGGACCGCCAGCACACAAGGTCAGCATGCTGCTCTCTGTCACGCTCTCGC  
TATAGCTGTTGCCAGATCGTTATCTTCTCAGAAAGCTGGGCATTTGCCAAGAACATCAACTTCTATAAT  
GTGAGGCCTCTCTCGACCCTACACCATTTCAAAATAGCTTCAAGTGCTTACTTGTGAAAACGCAGGGG  
ATAATTATAACTGCAATCGATGGCAGAAAGACAAAATGGTGTCCACAAAATACACAGTACTGTTTGACAGT  
TCATCACTTACCAGCCACGGAAGAAGCACATCCATCACCAAAAAGTGTGCCTCCAGAAGTGAATGTCAT  
TTTGTCGGTTGCCACCACAGCCGAGATTCTGAACATACGGAGTGTAGGTCTTGCTGTGAAGGAATGATCT  
GCAATGTAGAATTACCCACCAATCACACTAATGCAGTGTTTGCCGTAATGCACGCTCAGAGAACATCTGG  
CAGCAGTGCCCCACACTTACCTACCAGTGCTTGCTGGGTCTTTGTGCTTCCATTGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG207249 representing NM\_177964  
Red=Cloning site Green=Tags(s)

MLLITLSANLFTVPERSLTTTFSFSRYKSSDRPAHKVSMMLLCHALAIYVQIVIFSESWAFKNIFYN  
VRPPLDTPFPNSFKCFTCENAGDNYNCRWAEDKWPQNTQYCLTVHHFTSHGRSTSITKKCASRSECH  
FVGCHSRDSEHTECRSCEGMICNVELPTNHTNAVFVAVMHAQRTSGSSAPTLVPLVAVVFLPLL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_177964.5](#)

**RefSeq Size:** 1600 bp

**RefSeq ORF:** 624 bp

**Locus ID:** 130576

**UniProt ID:** [Q8NI32](#)

**Cytogenetics:** 2q23.2

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro acts on nAChRs in a subtype- and stoichiometry-dependent manner. Modulates specifically alpha-3(3):beta-4(2) nAChRs by enhancing the sensitivity to ACh, decreasing ACh-induced maximal current response and increasing the rate of desensitization to ACh; has no effect on alpha-7 homomeric nAChRs; modulates alpha-3(2):alpha-5:beta-4(2) nAChRs in the context of CHRNA5/alpha-5 variant Asn-398 but not its wild-type sequence.[UniProtKB/Swiss-Prot Function]