

Product datasheet for RC227543

LY6H (NM_001135655) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LY6H (NM_001135655) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LY6H
Synonyms: NMLY6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC227543 representing NM_001135655
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTGCGCCCCAGAGGACCCGCGCCCAAGCCCCGCGCCGCCCCAGGCCACCCGGAGCATGCTGC
CTGCAGCCATGAAGGGCCTCGGCCTGGCCTGCTGGCCGTCCTGCTGTGCTCGGCGCCGCTCATGGCCT
GTGGTGCCAGGACTGCACCCTGACCACCAACTCCAGCCATTGCACCCAAAGCAGTGCCAGCCGTCGCAG
ACGGTGTGTGCCAGTGTCCGAATCACCGATCCCAGCAGCAGGAAGGATCACTCGGTGAACAAGATGT
GTGCTCCTCCTGTGACTTCGTTAAGCGACACTTTTTCTCAGACTATCTGATGGGGTTTATTAAGTCTGG
GATCTTAAAGGTCGACGTGGACTGCTGCGAGAAGGATTTGTGCAATGGGGCGGCAGGGGCAGGGCACAGC
CCCTGGGCCCTGGCCGGGGGCTCCTGCTCAGCCTGGGGCCTGCCCTCCTCTGGGCTGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227543 representing NM_001135655
 Red=Cloning site Green=Tags(s)

MLAPQRTRAPSPRAAPRPTRSMLPAAMKGLGLALLAVLLCSAPAHGLWCQDCTLTTNSSHCTPKQCQPSD
TVCASVRITDPSSSRKDHVSNKMCASSCDFVKRHFFSDYLMGFINSGLKVDVDCCEKDLNGAAGAGHS
PWALAGLLLLSLGPALLWAGP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001135655

ORF Size: 483 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_001135655.2](#)

RefSeq Size: 986 bp

RefSeq ORF: 486 bp

Locus ID: 4062

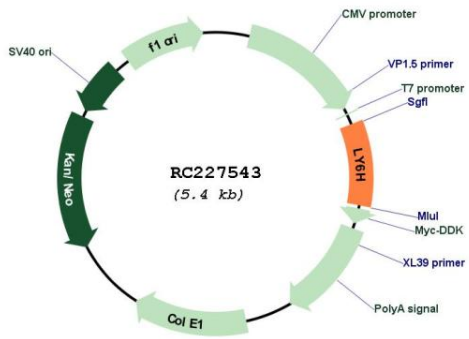
UniProt ID: [O94772](#)

Cytogenetics: 8q24.3

MW: 17 kDa

Gene Summary: Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response. May play a role in the intracellular trafficking of alpha-7-containing nAChRs and may inhibit their expression at the cell surface. Seems to inhibit alpha-7/CHRNA7 signaling in hippocampal neurons. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227543