

Product datasheet for **SC324752**

LY6H (NM_001135655) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY6H (NM_001135655) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY6H
Synonyms:	NMLY6
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001135655, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGCTTGC GCCCAGAGGACCCGCGCCCAAGCCCCGCGCCGCCCCAGGCCACCCGG AGCATGCTGCCTGCAGCCATGAAGGGCCTCGGCCTGGCGCTGCTGGCCGTCCTGTGTGC TCGGCGCCCGCTCATGGCCTGTGGTGCCAGGACTGCACCCTGACCACCAACTCCAGCCAT TGCACCCCAAAGCAGTGCCAGCCGTCGACACGGTGTGTGCCAGTGTCCGAATCACCAGT CCCAGCAGCAGCAGGAAGGATCACTCGGTGAACAAGATGTGTGCCTCCTCCTGTGACTTC GTAAAGCGACACTTTTTCTCAGACTATCTGATGGGGTTTATTAACCTCTGGGATCTTAAAG GTCGACGTGGACTGCTGCGAGAAGGATTTGTGCAATGGGGCGGCAGGGGCAGGGCACAGC CCCTGGGCCCTGGCCGGGGGCTCCTGCTCAGCCTGGGGCCTGCCCTCCTCTGGGCTGGG CCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001135655
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).


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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_001135655.1](#), [NP_001129127.1](#)

RefSeq Size: 986 bp

RefSeq ORF: 486 bp

Locus ID: 4062

UniProt ID: [O94772](#)

Cytogenetics: 8q24.3

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]
Transcript Variant: This variant (3) differs in the 5' UTR and 5' coding region, compared to variant 1, resulting in an isoform (b) that is longer at the N-terminus, compared to isoform a. Both variants 2 and 3 encode the same isoform.