

Product datasheet for **MG216269**

Ly6h (NM_011837) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Ly6h
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216269 representing NM_011837
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGCCTGCGCCCCAGAGGACCCCGCCTGCAGCCCCCGCCTCTTTCAGGCCCTATCGGAGCATGCTGC
CTGCAGCCATGAAGAGCCTCGGTCTGGCGCTGCTGGCCTTGCTTCTCTGCCCTCGCCGGCCCATGGCCT
GTGGTGCCAGGACTGCACCCTGGCCAATCCAGCCATTGCGCTCCGAAGCAGTGCCAGCCCCACCGATACC
GTTTGTGCCAGCGTGCGGATCACCCAGCCAGCAGCAGGAAGGATCATTCTGTGAACAAGATGTGTG
CTTCTCTGCGACTTCGTTAAGCGGCACCTTTTCTCAGACTATCTGATGGGGTTCATTAAGTCTGGGAT
CTTAAAGTCGACGTGGACTGCTGCGAGAAAGATTTGTCAACGGGGCATCGGTCGAGGACGCAGCCCC
TGGGCCCTGGCTGGGGGCTCCTGCTCAGCCTGGGGCTGCTCTTCTCTGGGCTGGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG216269 representing NM_011837
Red=Cloning site Green=Tags(s)

MPAPQRTPACSPRASFRPYRSMPLPAAMKSLGLALLALLLCPSPAHGLWCQDCTLANSSHAPKQCPTDT
VCASVRIIDPSSSRKDHVSNKMCASSCDFVKRHHFSDYLMGFINSGLKVDVDCCEKDLNNGASVAGRSP
WALAGLLLLSLGPALLWAGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_011837

ORF Size: 480 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.

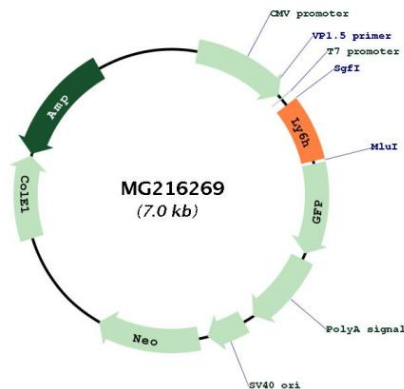
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_011837.3 , NP_035967.1
RefSeq Size:	1300 bp
RefSeq ORF:	483 bp
Locus ID:	23934
UniProt ID:	Q9WUC3

Cytogenetics: 15 D3

Gene Summary: Believed to act as modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response (PubMed:26276394). May play a role in the intracellular trafficking of alpha-7-containing nAChRs and may inhibit their expression at the cell surface (PubMed:25716842). Seems to inhibit alpha-7/CHRNA7 signaling in hippocampal neurons (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216269