

Product datasheet for **MR216375**

Ly6e (NM_001164039) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6e (NM_001164039) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ly6e
Synonyms: Ly67; RIG-E; Sca-2; TSA-1; Tsa1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216375 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCCACTTCCAACATGAGAGTCTTCTGCCTGTGCTGTTGGCAGCCCTTCTGGGCATGGAGCAAG
TTCATTCCCTGATGTGCTTCTCATGTACCGATCAGAAGAACAATATAAACTGCCTGTGGCCAGTTTCATG
CCAGGAGAAAGACCATTACTGTATCACGTTATCTGCCGCTGCGGGCTTTGGGAATGTCAACCTTGGCTAC
ACCCTGAACAAGGGCTGCTCCCCGATCTGCCCCAGTAAAATGTCAATCTCAATCTCGGTGTGGCGTCCG
TGAACAGCTACTGCTGCCAAAGCTCCTTCTGCAACTTCAGCGCAGCTGGCCTCGGACTTCGTGCCAGTAT
CCCACTACTGGCCTTGGACTCCTGCTTAGCTTGTGGCTCTGCTGCAGCTGAGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216375 protein sequence
Red=Cloning site Green=Tags(s)
MSATSNMRVFLPVLLAALLGMEQVHSLMCFSDTQKNNINCLWPVSCQEKDHYCITLSAAAGFGNVNLGY
TLNKGCSPICPSENVNLLGVASVNSYCCQSSFNCSAAGLGLRASIPLLGLGLLLSLLALLQLSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001164039

ORF Size: 411 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_001164039.1](#), [NP_001157511.1](#)

RefSeq Size: 2067 bp

RefSeq ORF: 411 bp

Locus ID: 17069

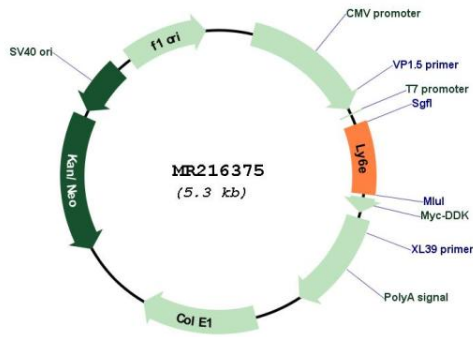
UniProt ID: [Q64253](#)

Cytogenetics: 15 34.29 cM

MW: 14.4 kDa

Gene Summary: Involved in T-cell development (PubMed:8258699). Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response (PubMed:26276394).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216375