

Product datasheet for **MC207208**

Ly6e (NM_008529) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6e (NM_008529) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ly6e
Synonyms: Ly67; RIG-E; Sca-2; TSA-1; Tsa1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207208 representing NM_008529
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTGCCACTTCCAACATGAGAGTCTTCTGCCTGTGCTGTTGGCAGCCCTTCTGGGCATGGAGCAAG
TTCATTCCTGATGTGCTTCTCATGTACCGATCAGAAGAACAATATAAACTGCCTGTGGCCAGTTTCATG
CCAGGAGAAAGACCATTACTGTATCACGTTATCTGCCGCTGCGGGCTTTGGGAATGTCAACCTTGGCTAC
ACCTGAACAAGGCTGCTCCCCGATCTGCCCCAGTGAAAATGTCAATCTCAATCTCGGTGTGGCGTCCG
TGAACAGCTACTGCTGCCAAAGCTCCTTCTGCAACTTCAGCGCAGCTGGCCTCGGACTTCGTGCCAGTAT
CCCACTACTGGCCTTGGACTCCTGCTTAGCTTGTGGCTCTGCTGCAGCTGAGCCCCTGA****

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_008529
Insert Size: 411 bp
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).
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_008529.3](#), [NP_032555.1](#)

RefSeq Size: 2278 bp

RefSeq ORF: 411 bp

Locus ID: 17069

UniProt ID: [Q64253](#)

Cytogenetics: 15 34.29 cM

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]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1 to 6 all encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.