

## Product datasheet for **MC200311**

### Ly6a (NM\_010738) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ly6a (NM_010738) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ly6a
Synonyms:	Ly-6A.2; Ly-6A/E; Ly-6E.1; Sca-1; Sca1; TAP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC002070 sequence for NM_010738 CTGAGAGGAAGTTTTATCTGTGCAGCCCTTCTCTGAGGATGGACACTTCTCACACTACAAAGTCCTGTTT GCTGATTCTTCTTGTGGCCCTACTGTGTGCAGAAAGAGCTCAGGGACTGGAGTGTACCAGTGCTATGGA GTCCCATTTGAGACTTCTTGCCCATCAATTACCTGCCCTACCCTGATGGAGTCTGTGTTACTCAGGAGG CAGCAGTTATTGTGGATTCTCAAACAAGGAAAGTAAAGAACAATCTTTGCTTACCCATCTGCCCTCTAA TATTGAAAGTATGGAGATCCTGGTACTAAGGTCAACGTGAAGACTTCTGTTGCCAGGAAGACCTCTGC AATGTAGCAGTTCCCAATGGAGGCAGCACCTGGACCATGGCAGGGGTGCTTCTGTTGAGCCTGAGCTCAG TCCTCCTGCAGACCTTGCTCTGATGGTCCCTCCCAATGACCTCCACCCTTGCTTTTTATCCTCATGTGCA ACAATTCTTCTGGAGCCCTCTAGTGATGAATTATGAGTTATAGAAGCTCCAAGGTGGGAGTAGTGTGTG AAATACCATGTTTTGCCTTTATAGCCCCTGCTGGGTAGGTAGGTGCTCTAATCCTCTCTAGGGCTTTCAA GTCTGTACTTCTAGAATGTCATTTTGTGTGGATTGCTGCTCATGACCCTGGAGGCACACAGCCAGCAC AGTGAAGAGGCAGAATCCAAGGTATTATGCTATCACCATCCACACATAAGTATCTGGGGTCTGCAATG TTCCCACATGTATCCTGAATGTCCCCTGTTGAGTCCAATAAACCCCTTTGTTCTCCCAAAAAAAAAAAAAA AA
Restriction Sites:	RsrII-NotI
ACCN:	NM_010738
Insert Size:	405 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [BC002070](#), [AAH02070](#)

**RefSeq Size:** 842 bp

**RefSeq ORF:** 405 bp

**Locus ID:** 110454

**UniProt ID:** [P05533](#)

**Cytogenetics:** 15 34.29 cM

**Gene Summary:** T-cell activation.[UniProtKB/Swiss-Prot Function]  
 Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, 5, and 6 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.