

## Product datasheet for **MR228041**

### Ly6a (NM\_001271418) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ly6a (NM\_001271418) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ly6a  
**Synonyms:** Ly-6A.2; Ly-6A/E; Ly-6E.1; Sca-1; Sca1; TAP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR228041 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACACTTCTCACACTACAAAGTCCTGTTTGCTGATTCTTCTTGTTGGCCCTACTGTGTGCAGAAAGAG  
 CTCAGGGACTGGAGTGTTACCAGTGCTATGGAGTCCCATTTGAGACTTCTGCCATCAATTACCTGCC  
 CTACCCTGATGGAGTCTGTGTTACTCAGGAGGCAGCAGTTATTGTGGATTCTCAAACAAGGAAAGTAAAG  
 AACAACTTTGCTTACCCATCTGCCCTCCTAATATTGAAAGTATGGAGATCCTGGGTAAGGTCAACG  
 TGAAGACTTCTGTTGCCAGGAAGACCTCTGCAATGTAGCAGTCCCAATGGAGGCAGCACCTGGACCAT  
 GGCAGGGTGCTTCTGTTGAGCCTGAGCTCAGTCTCCTGCAGACCTTGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR228041 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MDTSHHTKSCLLILLVALLCAERAQGLECYQCYGVPFETSCPSITCPYPDGVCVTQEAAVIVDSQTRKVK  
 NNLCLPICPPNIESMEILGTKVNVKTSQCQEDLCNVAVPNGGSTWTMAGVLLFSLSSVLLQTL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001271418

**ORF Size:** 405 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\\_001271418.1](#), [NP\\_001258347.1](#)

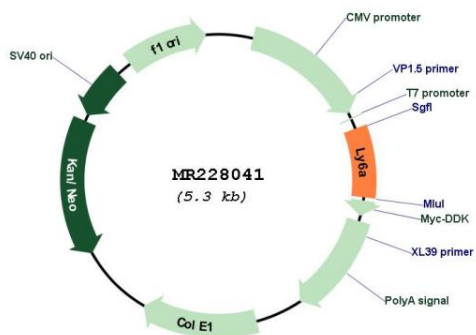
**RefSeq Size:** 966 bp

**RefSeq ORF:** 405 bp

**Locus ID:** 110454

UniProt ID: [P05533](#)  
 Cytogenetics: 15 34.29 cM  
 MW: 14.4 kDa  
 Gene Summary: T-cell activation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR228041