

Product datasheet for **MR228043**

Ly6a (NM_001271446) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6a (NM_001271446) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ly6a
Synonyms: Ly-6A.2; Ly-6A/E; Ly-6E.1; Sca-1; Sca1; TAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228043 representing NM_001271446
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACACTTCTCACACTACAAAGTCCTGTTTGTCTGATTCTTCTTGTGGCCCTACTGTGTGCAGAAAGAG
CTCAGGGACTGGAGTGTTACCAGTGCTATGGAGTCCCATTGAGACTTCTTGCCCATCAATTACCTGCC
CTACCCTGATGGAGTCTGTGTTACTCAGGAGGCAGCAGTTATTGTGGATTCTCAAACAAGGAAAGTAAAG
AACAACTTTGCTTACCCATCTGCCCTCCTAATATTGAAAGTATGGAGATCCTGGGTAAGGTCACCG
TGAAGACTTCTGTTGCCAGGAAGACCTCTGCAATGTAGCAGTTCCCAATGGAGGCAGCACCTGGACCAT
GGCAGGGGTGCTTCTGTTCAGCCTGAGCTCAGTCTCCTGCAGACCTTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228043 representing NM_001271446
Red=Cloning site Green=Tags(s)

MDTSHTTKSCLLILLVALLCAERAQGLECYQCYGVFETSCPSITCPYPDGVCVTQEAIVDSQTRKVK
NNLCLPICPPNIESMEILGKVNVTSCCQEDLCNVAVPNGGSTWTMAGVLLFSLSSVLLQTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

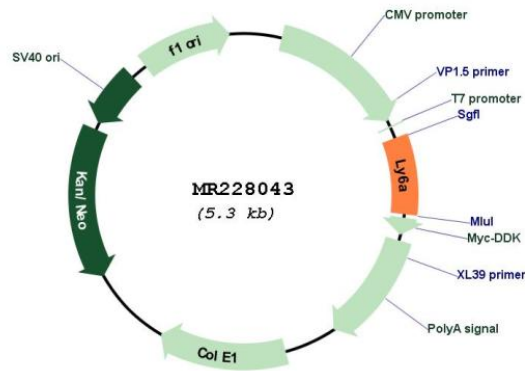


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001271446

ORF Size: 402 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:	<ol style="list-style-type: none">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:	<u>NM_001271446.1</u> , <u>NP_001258375.1</u>
RefSeq Size:	982 bp
RefSeq ORF:	405 bp
Locus ID:	110454
UniProt ID:	<u>P05533</u>
Cytogenetics:	15 34.29 cM
MW:	14.8 kDa
Gene Summary:	T-cell activation.[UniProtKB/Swiss-Prot Function]