

Product datasheet for **MR200790**

Ly6a (NM_010738) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly6a (NM_010738) 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: >MR200790 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACACTTCTCACACTACAAAGTCCTGTTTGCTGATTCTTCTTGTTGGCCCTACTGTGTGCAGAAAGAG
 CTCAGGGACTGGAGTGTTACCAGTGCTATGGAGTCCCATTTGAGACTTCTTGCCCATCAATTACCTGCC
 CTACCCTGATGGAGTCTGTGTTACTCAGGAGGCAGCAGTTATTGTGGATTCTCAAACAAGGAAAGTAAAG
 AACAACTTTGCTTACCCATCTGCCCTCCTAATATTGAAAGTATGGAGATCCTGGGTAAGGTCAACG
 TGAAGACTTCTGTTGCCAGGAAGACCTCTGCAATGTAGCAGTCCCAATGGAGGCAGCACCTGGACCAT
 GGCAGGGTGCTTCTGTTGAGCCTGAGCTCAGTCTCCTGCAGACCTTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200790 protein sequence
 Red=Cloning site Green=Tags(s)
 MDTSHHTKSCLLILLVALLCAERAQGLECYQCYGVPFETSCPSITCPYPDGVCVTQEAATIVDSQTRKVK
 NNLCLPICPPNIESMEILGTKVNVKTSCCQEDLCNVAVPNGGSTWTMAGVLLFSLSSVLLQTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_010738

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_010738.3](#)

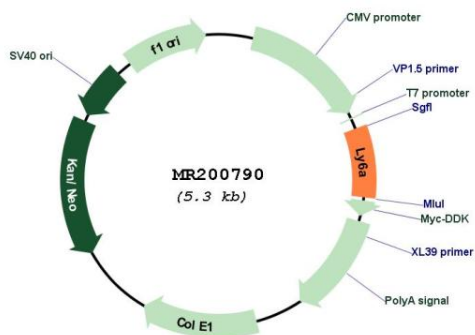
RefSeq Size: 971 bp

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 MR200790