

## Product datasheet for **MR200687**

### Ly6d (NM\_010742) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Ly6d (NM\_010742) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Ly6d

Synonyms: Ly-61; Ly61; Thb

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR200687 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGAAGACAGCTCTGCTCGTCTCCTTGCTTGCTGTGGCCACTAGCCAGCCTGGGCACTTCGATGTC  
 ACGTGTGCACCAACAGTGCCAACTGTAAGAACCCTCAGGTCTGCCGTCCAATTCTACTTCTGAAAAC  
 CGTCACCTCAGTGGAGCCTCTGAATGGGAACCTGGTGAGGAAAGAGTGTGCAAACTCATGCACCTCCGAC  
 TACAGCCAGCAGGGCCATGTCAGCAGTGGTCCGAGGTACACAATGCTGCCAGACTGACCTATGCAACG  
 AGAGGCTGGTCAGCGCTGCACCTGGACATGCCCTGCTCAGCAGTGTACCCTGGGCTGGCAACGAGCCT  
 CAGCCTGCTCACTGTTATGGCTCTCTGCCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200687 protein sequence  
 Red=Cloning site Green=Tags(s)

MKTALLVLLVLAVATSPAVALRCHVCTNSANCKNPQVCPSNFYFCKTVTSVEPLNGNLVRKECANSCTSD  
 YSQQGHVSSGSEVTQCCQTDLCNERLVSAAPGHALLSSVTLGLATSLSLLTVMALCL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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**Cloning Scheme:**


**ACCN:** NM\_010742

**ORF Size:** 381 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

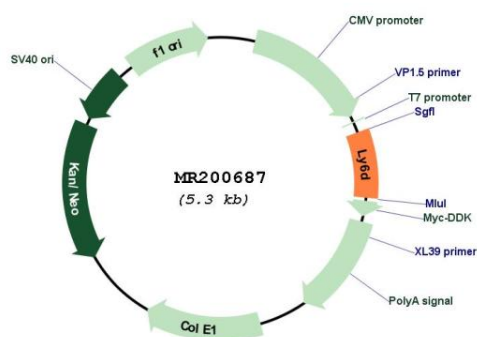
**RefSeq:** [NM\\_010742.1](#), [NP\\_034872.1](#)

**RefSeq Size:** 694 bp

RefSeq ORF: 384 bp  
 Locus ID: 17068  
 UniProt ID: P35459  
 Cytogenetics: 15 34.27 cM  
 MW: 13.4 kDa

**Gene Summary:** May act as a specification marker at earliest stage specification of lymphocytes between B- and T-cell development. Marks the earliest stage of B-cell specification.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR200687