

## Product datasheet for **RG236243**

### LYSMD4 (NM\_001284421) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LYSMD4 (NM\_001284421) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** LYSMD4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236243 representing NM\_001284421.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACCCACAAGAAGAACTGAAACCCCTTCTGAGCCCGTCTTCCGAGACCACAGTGACCGTGGAACCTG
CCAGAGGCAGACAGAGCAGGCGCGGGCACCCGGTGCCAGCCGGCCAACCTGATGGCTTCTTTAAGGGG
ATTGACCAGGATATTGAGCGTGCAGTGCAGTCAGAAATCTTTCTACATGAAAGTTACTGCATGGACACC
TCCCATCAGCCACTGCTCCCGGCACCTCCGAAGACGCCTATGGATGGTGCAGATTGTGGCATTCACTGG
TGAATGCTGTTTTCATCATGCTGCTGATTGGTATTGTCTTGCCTGTCTTTATTTGGTCTACTTTAAA
ATACAAGCTAGTGGTGAGACCCCTAATAGCTTGAACACAACCTGCATCCCCAATGGCTCGATGGCAATG
GGTACAGTTCAGGGCAAGCCCCAGACTAGCAGTTGCAGTGCCAGCCGTCACCTTCTGCAGACAGCCAG
TTCAGTCAGACCACCAAGCGGGGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236243  
Blue=ORF Red=Cloning site Green=Tag(s)

```
METHKELKPLLSPSETTVTVLPEADRAGAGTGAQAGQLMGFFKIDQDIERAVQSEIFLHESYCMDT
SHQPLLPAAPPKTPMDGADCGIQWNAVFIMLLIGIVLPVFYLVYFKIQASGETPNSLNTTVIPNGSMAM
GTVPQGAPRLAVAVPAVTSADSQFSQTTQAGS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

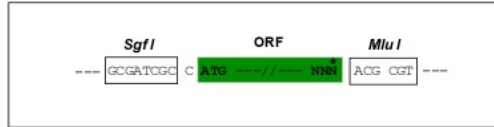
**Restriction Sites:** SgfI-MluI



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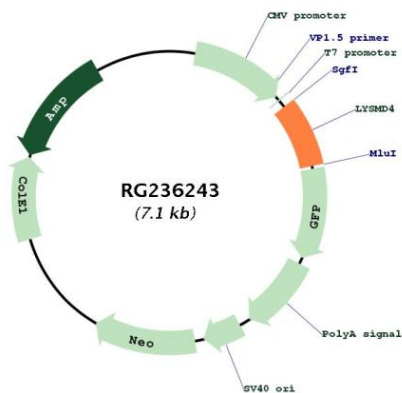
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



- ACCN:** NM\_001284421
- ORF Size:** 510 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).
- RefSeq:** [NM\\_001284421.2](#)
- RefSeq Size:** 2747 bp
- RefSeq ORF:** 513 bp
- Locus ID:** 145748
- Cytogenetics:** 15q26.3
- Protein Families:** Transmembrane
- MW:** 18.5 kDa

Product images:



Circular map for RG236243