

Product datasheet for **RG236244**

LYSMD4 (NM_001284422) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LYSMD4 (NM_001284422) 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: >RG236244 representing NM_001284422.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGACCCACAAGAAGAACTGAAACCCCTTCTGAGCCCGTCTTCCGAGACCACAGTGACCGTGGAAC
CCAGAGGCAGACAGAGCAGGCGCGGGCACCCGGTGCCAGCCGGCCAACCTGATGGCTTCTTTAAGGGG
ATTGACCAGGATATTGAGCGTGCAGTGCAGTCAGAAATCTTTCTACATGAAAGTTACTGCATGGACACC
TCCCATCAGCCACTGCTCCCGGCACCTCCGAAGACGCCTATGGATGGTGCAGATTGTGGCATTCA
TGGAAATGCTGTTTTCATCATGCTGCTGATTGGTATTGTCTTGCCTGTCTTTATTTGGTCTACTTTAAA
ATACAAGCTAGTGGTGAACCCCTAATAGCTTGAACACAACCTGCATCCCCAATGGCTCGATGGCAATG
GGTACAGTTCAGGGCAAGCCCCAGACTAGCAGTTGCAGTGCCAGCCGTCACCTTCTGCAGACAGCCAG
TTCAGTCAGACCACCAAGCGGGGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236244
Blue=ORF Red=Cloning site Green=Tag(s)

```
METHKELKPLLSPSETTVTVLPEADRAGAGTGAQAGQLMGFFKIDQDIERAVQSEIFLHESYCMDT
SHQPLLPAAPPKTPMDGADCGIQWNAVFIMLLIGIVLPVFYLVYFKIQASGETPNSLNTTVIPNGSMAM
GTVPQGAPRLAVAVPAVTSADSQFSQTTQAGS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_001284422

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_001284422.1](#), [NP_001271351.1](#)

RefSeq Size: 2847 bp

RefSeq ORF: 513 bp

Locus ID: 145748

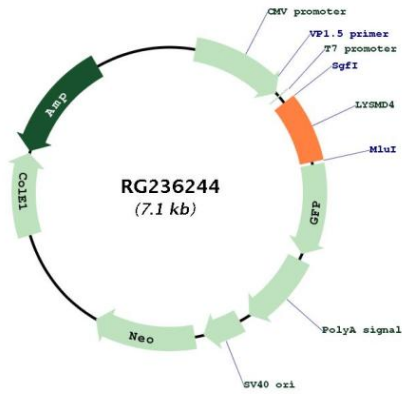
UniProt ID: [Q5XG99](#)

Cytogenetics: 15q26.3

Protein Families: Transmembrane

MW: 18.5 kDa

Product images:



Circular map for RG236244