

## Product datasheet for **RG237268**

### LYSMD4 (NM\_001284417) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LYSMD4 (NM_001284417) 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:	>RG237268 representing NM_001284417. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGCACGAGGAATTGTTAACCAAGACCTTCCAAGGCCAGCTGTTGTGTGTGGGACTCCGACCAGC
CACGTATACATGTTTAAGAATGGCAGTGGGGACTCGGGGGACTCTTCTGAAGAAGAGTCTCACCGTGTG
GTTTTGCGGCCCCGGGGCAAGGAGCGCCACAAGAGCGGTGCCACCAGCCTCCCCAGGCGGGAGCAGGT
GACGTGGTGTCTGCTGCAGCGGGAGCTGGCCAGGAGGACAGCCTCAACAAGCTGGCGTGCAGTATGGC
TGCAAAGTTGCAGATATCAAGAAAGTCAACAACCTCATCAGAGAACAAGACTTATATGCTTTGAAATCT
GTTAAGATTCAGTGAGAAACCATGGGATCCTGATGGAGACCCACAAGAAGTCAAACCCCTTCTGAGC
CCGTCTTCCGAGACCACAGTGACCGTGGAACTGCCAGAGGCAGACAGAGCAGGCGCGGGCACCCGGTGCC
CAGGCCGGCCAACCTGATGGGCTTCTTTAAGGGATTGACCAGGATATTGAGCGTGCAGTGCAGTCAGAA
ATCTTTTACATGAAAGTTACTGCATGGACACCTCCCATCAGCCACTGCTCCCGCACCTCCGAAGACG
CCTATGGATGGTGCAGATTGTGGCATTGAGTGGTGAATGCTGTTTTTCATCATGCTGCTGATTGGTATT
GTCTTGCTGTCTTTATTTGGTCTACTTTAAAATAACAAGCTAGTGGTGAAGCCCTAATAGCTTGAAC
ACAAGTGCATCCCCAATGGCTCGATGGCAATGGGTACAGTTCAGGGCAAGCCCCAGACTAGCAGTT
GCAGTGCCAGCCGTCCTTCTGCAGACAGCCAGTTCAGTCAGACCACCCAAGCGGGGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



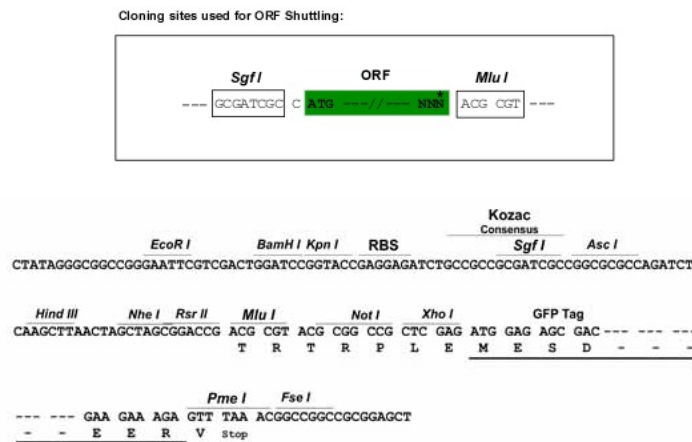
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237268  
 Blue=ORF Red=Cloning site Green=Tag(s)

MRHEELLTKTFQGPVAVCGTPTSHVYMFKNGSGDSGDSSEEESHRVVLRPRGKERHKSGVHQPPQAGAG  
 DVVLLQRELAQEDSLNKLALQYGCKVADIKKVNFIREQDL YALKSVKIPVRNHGILMETHKELPLLS  
 PSSETTVTVLPEADRAGAGTGAQAGQLMGFFKIDQDIERAVQSEIFLHESYCMDTSHQPLLAPPKT  
 PMDAGCGIQWNAVFIIMLLIGIVLPVLYLVYFKIQASGETPNSLNTTVIPNGSMAMGTVPQAPRLAV  
 AVPAVTSADSQFSQTTQAGS  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284417

**ORF Size:** 888 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.

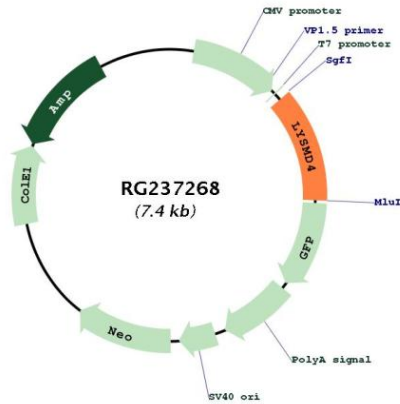
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001284417.2](#)

**RefSeq Size:** 2721 bp

RefSeq ORF: 891 bp  
 Locus ID: 145748  
 UniProt ID: [Q5XG99](#)  
 Cytogenetics: 15q26.3  
 Protein Families: Transmembrane  
 MW: 32.5 kDa

**Product images:**



Circular map for RG237268