

Product datasheet for **RG226912**

LYSMD2 (NM_001143917) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: LYSMD2 (NM_001143917) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: LYSMD2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG226912 representing NM_001143917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAACAGATTAAGGGCCAATAAACTGTTTACCAATGATTGTATATTTCTGAAGAAACTTTGAACA
 TCCAGTTATATCAGAGAAGCCTTTGTTGTTTAAATGGACTTAACTCCATTGATTCTCCAGAAAATGAAAC
 TGCTGATAACAGTTTTTCTCAGGAAGAGGAGCCAGTGGTGGCCGGGAAGACCTCCCTCCTCCAGTCCT
 CAAGAATCTGATGTTTCAGCCTGTGCAGCCTGAGGAAGTGTGAGCCAGAGATTTCTGCAGAGACTTGACT
 TGCAGATTAAGTTATCAACACAGGCAGCCAAGAAGCTAAAAGAAGAGAGCAGAGATGAAGAAAGTCCCTA
 TGCAACTTCCCTCTATCAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226912 representing NM_001143917
 Red=Cloning site Green=Tags(s)

MEQIKRANKLFTNDICIFLKKTLLNIPVISEKPLLFNGLNSIDSPENETADNSFSQEEEPVVAGEDLPPSP
 QESDVQPVPQEEVSARDFLQRLDLQIKLSTQAAKKLKEESRDEESPYATSLYHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001143917

ORF Size: 375 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:

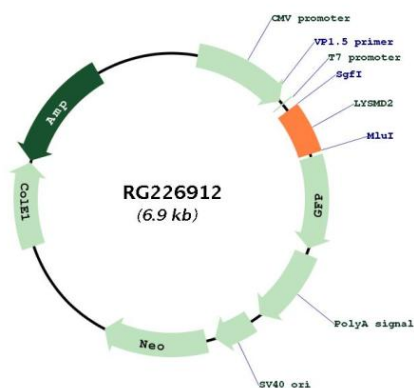
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_001143917.1](#), [NP_001137389.1](#)

RefSeq Size: 1118 bp

RefSeq ORF: 375 bp
 Locus ID: 256586
 UniProt ID: [Q8IV50](#)
 Cytogenetics: 15q21.2

Product images:



Circular map for RG226912