

Product datasheet for **MG221903**

Lemd3 (NM_001081193) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lemd3 (NM_001081193) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lemd3
Synonyms:	AI316861; Man1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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Protein Sequence: >MG221903 representing NM_001081193
 Red=Cloning site Green=Tags(s)

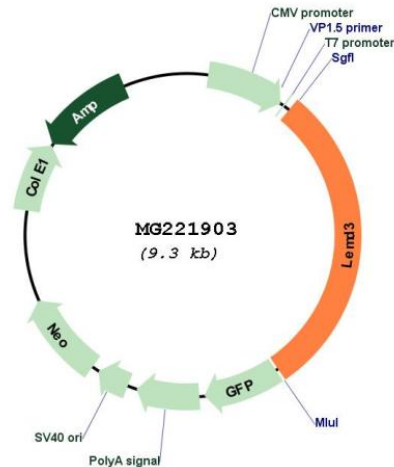
MAAATAAAAPQQLSDEELFSQLRRYGLSPGPVTESTRPVYLKCLKLREEEQQQQQQQQQHRAGGRGN
 KTRNSNNNTATAMGGRPGSGDLAYLRSPAGLGRLSASAAESPVAGGSGGAAVPAAGSKVLLGFSSDES
 DVEASPREQAGGGGARRDRAALQYRGLRAPPAPPAAGEVTGGHPGERRKPHSWWGARRPAGPEPQPPAAG
 SDGAAEDADEELADGEDRDPEAEPLWASRTVNGSRLLPYSSCREHYSDSEEEEEGEEDGVAPARQVL
 KDDSLARHRPRRSHSKPFSALTAKSGGSRQETSVOGGGALAMNDRAAAAGSLDRSRNLEAAAEPGGGGG
 GGCDCDPVDSIPRYRAGAKKLAPLLSPPSPDGDSTLESPTGPLLKTNNHIGGAFVGDSPGLYANSLPPG
 ATAAAAPGTLRINHANHTGSNHTYLKTA YGKPKLCEPEEELLQQFKREEVSPTGSFSAHYLSMFLATAAC
 LFFLILGLTYLGMRTGVPEDGGLIKNPFDETFGKIQESEKNLLMSTLYKLHDRLAQIAGDHECGSSSQR
 MLSVQEAAYLKNLGPYEDVFNTSLLWIFKNGKDVGIRCVGYGPEEDL TNITDVQFLQSTRPQMPFWCR
 FRRAFITVTHRLLLLCLGVVLCVALRYMRYRWTKEEEE TRQMYDMVVKIIDVLRSHNEACQETKDLQPY
 MPLPHVRDSL IQPQDRKKMKKVWDRAVDFLAANESRVRTETRRVGGADFLVWRWIQPSASCDKTLVIPSK
 VWQQAFLHLDRRNSPPNSLTPCLKIRNMFDPVMEIGDHWHLAIQEAILEKCSNDNDGIVHIAVDRNSREGC
 VYVKCLSPYAGKAFKALHGSWFDGKLVTVKYLRLDRYHHRFPQALTCNTPLKPA NKHMNSLSHLRLRTG
 LANSQGS

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001081193

ORF Size: 2754 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_001081193.2](#), [NP_001074662.2](#)

RefSeq Size: 4754 bp

RefSeq ORF: 2757 bp

Locus ID: 380664

UniProt ID: [Q9WU40](#)

Cytogenetics: 10 D2

Gene Summary:

Can function as a specific repressor of TGF-beta, activin, and BMP signaling through its interaction with the R-SMAD proteins. Antagonizes TGF-beta-induced cell proliferation arrest (By similarity).[UniProtKB/Swiss-Prot Function]