

## Product datasheet for **RG206712**

### LMNTD2 (NM\_173573) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LMNTD2 (NM_173573) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LMNTD2
Synonyms:	C11orf35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206712 representing NM\_173573  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGGTGGCTGCGGCCCGGGCAGGCGTCGGGAGCAAGAGTCGGTCAGTGGTACCTGGGACCTCCAG  
 CAGGCGCACTGCAGCCCCGAGACTCCCACGTGCCTGCCAGACACCACGCCACCCACACCGGTGGT  
 CTGCTCTGCCGACCCGAGTTGGCTCTTGAAGTCCCTGGACCTCGCACACTGCGGCTGCTGTGGAGACAG  
 CGAGAAGTGGAGATCCAGGCCTTGGCGTGGGCCATCCAGAATGGCGAGGACGCCGGCTCTGCCACATCC  
 TGGAAAGAGGTGGCGGGCTTCCGCCAAGAGGAGCTCCCACAGTCAGGAGAACTCTGCAGAACCAGGT  
 CCAGAAGCTGATCCAGGAGTTGAAGGAACAGAAGGAGCGAGCCAGTGGGAGAAGGAGCACCTGGAGGAG  
 CGGCTGCTGCAGACCACCCGACGCTCCAAGAGATGGAGGCCGAGCTGCAGAAGTGCAGAAGTCTGCTGCC  
 TCCTGCAGCTGGCCGCTCCTCGTGGTGGGCCGATGCTACGATCCCAGACTGGCAGTGTGGAGGTAGT  
 GACGGCAGAGACTCTGATGGACCAAGCGACTCTCTGAAAACATTTCAGGCCCCACCGGGGAGGGCTTT  
 CGGCTGGAGGACGTGGATTGGAACAGCGTTGCCGCCGGTATCCCAACCTCTTCACCAACATGGAGCCCA  
 GCTCAAAGCAAAAGCAGCCCCGGCCCTGGCCACAGCTGGACACAGGGAGCCAGAGTCTCTGGAAGCA  
 TTCCGAGCGGCATCACAAGACCGTGGAGTGGGGCTCCCTGCCCTGTCTGAACACCAGCAGCTCAGGGGGC  
 GCTGACTCCGACTCCAGCAGCTGCCGGCCGGCCCTGCCTTCTTCGTGCAGGTGATAGGGCACCCGCCCC  
 GGGACCACCGCTTCTCCGAGCAAGCGCTGGTGCAGGCCGGGAGCTACAGCAGGGACTCAGAAGATCT  
 CCAGAAAACCACTACCCAGGCACGGCGAGCCGGTCTGTGCCCCAGCCCTGCACAGACCCCGACCAC  
 TGGAGCCCGGAACCTCTGCAGAGCCGACAGCCGCTGAAGATCGTGGCTGTGAGCTGCCGGGAGAAGTTCCG  
 TCCGCATCTCAACCCGTGCGAGGAGACGCGCCGACCTGAGCGGCATGGTGTGAAGCAGTGGTGGC  
 CGGCTTCCCGGAGCGCTGTACCGCTTCCCGCCGGGACGCTGCTGGCCCCGCGGCACACGTCACGGTC  
 TGGGGCAGGCGACCCGACGCGCAAGAAGCGCTGCGCGCTCCTCGAGCCGGAGCCGTTCCCTCC  
 TCTCCATCCGCGCTGCGCGACGCTGCTCCTGAGCCCCAAGGGCAGGTCTCAGTGAGCACCGGATCCC  
 ACGCCGCGAGACTCCGGCCCCGAGGGTCTTCGCCGACGGCACCGACTTGTCCATCGACCGCTTCCCGCTC  
 CCTGAGGCCGGGCCGGCGCCGACACCCGAAGCCGCCGCCACCTCGACCCCTGCGCAAAGGCCGGG  
 TGCGGGAGCCCCGGTCAAGTCCGCGGAGACCAGGGACGCGGGGCTGCTGCCCCAGTGAGCTCGGGGAA  
 GCTTTCCACGCGCGGGAGGGGCTGCGCGCCCGAGAACCCGAGATCCCCGCGCCGACACCTGCC  
 GCCATCCCGGTGACCCACCCTGCCGTGCGCTCCCGCAGAGCCGGGCTGGGCTGGAGGACTGTCCGC  
 TCCAGAAAGAACCAGGTTCCGGTGTGCCGAAGAGCGTGGACCGTAGCTGCCCCCTGGTGGCCCTGTC  
 GGTGCAGAACACGGCGGAGAGCAGATTCGGCTTCCGCTTCTCAGCTGCCTGCCGTCACCCGGACACC  
 TGCCGCGGCGCC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206712 representing NM\_173573  
 Red=Cloning site Green=Tags(s)

MRWLRPAGRRREQESVSGHLGPPAGAPAAPETPTCLPDTTPHPTPVVCSADPQLALESLDPRTLRLWLWRQ  
 RELEIQALRWAIQNGEDARLCHILEEVAGLPPKRSSHSEKLLQNVQKLIQELKEQKERAQWEKEHLEE  
 RLLQTRTLQEMAEQLNLQKSLQLARSSWVGRMLRSQTGSVEVVTAEATLMDPSDLSENIQAPTGEF  
 RLEDVDWNSVARRYPNLFTNMEPSSKQKQPRPWPQLDTGSPSSGKHSEHHKTVEWGLPCLNTSSGG  
 ADSDSSCRPGLPSFVQVIGHPPRDHRASSEQALVQAGYSRDSIDLQKTHSPRHGEPVLSPPQCTDPDH  
 WPELLQSPTGLKIVAVSREKFRIFNPSQESTADLSGMVLKQLVYRGFPERLYRFPPTLLAPRHHVTY  
 WGEATRSAKKPLRASSREPVPILLSIRGCATLLLSPKGEVLSEHRIPRETPAPRVFADGTDLSIDRFPL  
 PEAGPGADTRKPPRPRPLRKGVRVREPRVRRRPGTRGLLPPVSSGKLFHAREGPARENPEIPAPQHLP  
 AIPGDPTLSPPPAEAGLGEDCRLQKEHRVRVCRKSVDRSCPLVALSVQNTAESRFGRFRLSCLPVTADT  
 CRGA

**TRTRPLE** – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM\_173573

ORF Size: 1902 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\\_173573.1](#), [NP\\_775844.1](#)

RefSeq Size: 2119 bp

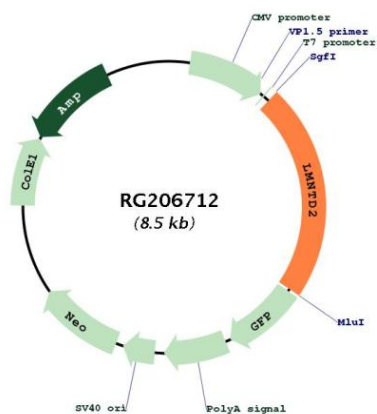
RefSeq ORF: 1905 bp

Locus ID: 256329

UniProt ID: [Q8IXW0](#)

Cytogenetics: 11p15.5

Product images:



Circular map for RG206712