

Product datasheet for **RG200062**

LMCD1 (NM_014583) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMCD1 (NM_014583) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LMCD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200062 representing NM_014583 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAGGTGGCTAAGGACCTCAACCCAGGAGTTAAAAAGATGTCCCTGGGCCAGCTGCAGTCAGCAA
GAGGTGTGGCATGTTTGGGATGCAAGGGGACGTGTTCCGGCTTCGAGCCACATTCATGGAGGAAAATATG
CAAGCTTGCAAATGCAGCCAAGAGGACCACTGCCTAACATCTGACCTAGAAGACGATCGGAAAATTGGC
CGCTTGCTGATGGACTCCAAGTATCCACCCTCACTGCTCGGGTAAAAGGCGGGGACGGCATCCGGATT
ACAAGAGGAACCGGATGATCATGACCAACCCTATTGCTACTGGGAAAGATCCCACCTTTTGACACCATCAC
CTACGAGTGGGCTCCCCCTGGAGTCACCCAGAACTGGGACTGCAGTACATGGAGCTCATCCCCAAGGAG
AAGCAGCCAGTGACAGGCACAGAGGGTGCCTTTTACCGCCGCGCCAGCTCATGCACCAGCTCCCCATCT
ATGACCAGGATCCCTCGCGCTGCCGTGGACTTTTTGGAGAATGAGTTGAACTGATGGAAGAATTTGTCAA
GCAATATAAGAGCGAGGCCCTCGGCGTGGGAGAAGTGGCCCTCCCGGGCAGGGTGGCTTGCCCAAGGAG
GAGGGGAAGCAGCAGGAAAAGCCAGAGGGGCGAGAGCACTGCTGTACCACCAACGGCAGTCTCAGTG
ACCGTCCAAAGAAGTGAATACGCTGCGAGCTCTGCAAGGGAGCGGCCCTCTGACAGCCCCGTGGT
CTACTCGGACAGGCAGGCTACAACAAGCAGTGGCACCCACCTGCTTTGTGTGCCAAGTGTCCGAG
CCGCTGGTGGACCTCATCTACTTCTGGAAGGATGGTGCACCCTGGTGGCGCCGCGCATTACTGCGAGAGTC
TGGCGCCCGGTGCTCCGGCTGCGATGAGATAATATTCGCTGAGGACTACCAGCGTGTGGAAGATCTGGC
CTGGCACCGAAAGCACTTTGTCTGTGAGGGTTGTGAGCAGCTGCTGAGCGCCGGCGTACATCGTCACC
AAGGGTCAGCTTCTGTGCCCAACTTGCAGCAAGTCCAAACGCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200062 representing NM_014583
 Red=Cloning site Green=Tags(s)

MAKVAKDLNPGVKKMSLGQLQSARGVACLGCKGTCSGFEPHSWRKICKSCKCSQEDHCLTSDLEDDRKIG
 RLLMDSKYSTLTARVKGDDGIRIYKRNRIMTNPATGKDPFTDITYEWAPPVGTQKLGQYMEIIPKE
 KQPVVTGTEGAFYRRRQLMHQLPIYDQDPSRCRGLLENELKLMEEFVKQYKSEALGVGEVALPGQGLPKE
 EGKQKEKPEGAETTAATTNGSLSDPSKEVEYVCELCKGAAPPDSPVVYSDRAGYNKQWHPTCFVCAKCE
 PLVDLIYFWKDGAPWCGRHYCESLRPRCSGCDEIIFAEDYQRVEDLAWHRKHVCEGCEQLLSGRAYIVT
 KGQLLCPTCSKSKRS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014583

ORF Size: 1095 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014583.4](#)

RefSeq Size: 1754 bp

RefSeq ORF: 1098 bp

Locus ID: 29995

UniProt ID: [Q9NZU5](#)

Cytogenetics: 3p25.3

Domains: LIM

Gene Summary: This gene encodes a member of the LIM-domain family of zinc finger proteins. The encoded protein contains an N-terminal cysteine-rich domain and two C-terminal LIM domains. The presence of LIM domains suggests involvement in protein-protein interactions. The protein may act as a co-regulator of transcription along with other transcription factors. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

Product images:



Circular map for RG200062