

Product datasheet for **SC322420**

LMBR1 (NM_022458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMBR1 (NM_022458) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMBR1
Synonyms:	ACHP; C7orf2; DIF14; LSS; PPD2; THYP; TPT; ZRS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322420
 GCCGGTGTGTCGTCGCGGTACCTGTTCCAACACGGCTCGCGGGCCCGTGCCGGCTCCGG
 TCCCCGGCGCGGCTGTCCGAGCCCTGCGGCGGGCGGACGATGGTGTGGCGGAGCACGCG
 GACGCGGGCGGCGCGGCGGGCGGCATGAAGGAGGATGGAAGGGCAGGACGAGGTGTCGGC
 GCGGGAGCAGCACTTCCACAGCAAGTGCGGGAGTCCACGATATGTTTCCTTCTTTTGC
 CATTCTCTACGTTGTTTCTACTTCATCATCACAAGATACAAGAGAAAATCAGATGAACA
 AGAAGATGAAGATGCCATCGTCAACAGGATTTCTGTTGTTTTGAGCACGTTCACTCTCGC
 AGTGTCAGCTGGGCTGTTTTGCTTTTACCCTTCTCAATCATCAGCAATGAAATCCTGCT
 TTCTTTTCTCAGAACTACTATATTCACTGGCTAAATGGCTCCCTGATTGTTGTTGTG
 GAATCTTGCTTCCCTTTTTTCCAACCTTTGTTTATTTGATTGATGCCCTTTCCTTTTT
 CTTTCTGGAATCAGAAGGCTTTGCTGGCCTGAAAAAGGAATCCGAGCCCGCATTTTAGA
 GACTTTGGTCATGCTTCTTCTTCTGCTTACTCATTCTTGGGATAGTGTGGTAGCTTC
 AGCACTCATTGACAACGATGCCCAAGCATGGAATCTTTATATGATCTCTGGGAGTTCTA
 TCTACCCTATTTATATTCTGTATATCATTGATGGGATGTTTGTACTTCTCTTGTGTAC
 ACCAGTTGGCCTTCTCGTATGTTCACTGATGGGTGCTGCTAGTGAAGCCAACAAT
 TCTTGAAGACCTGGATGAACAAATTTATATCATTACCTTAGAGGAAGAAGCACTCCAGAG
 ACGACTAAATGGGCTGTCTTCATCGGTGGAATACAACATAATGGAGTTGGAACAAGAACT
 TGAAAAATGTAAAGACTCTTAAGACAAAATTAGAGAGGCGAAAAAGGCTTCAGCATGGGA
 AAGAAATTTGGTGATCCCGCTGTTATGGTTCTCCTTCTTATTGAGACATCCATCTCGGT
 CCTCTTGGTGGCTTGAATATCTTTGCCTATTGGTTGATGAAACAGCAATGCCAAAAGG
 AACAAGGGGGCTGGAATAGGAAATGCCTCTCTTCTACGTTTGGTTTTGTGGGAGCTGC
 GCTTGAATCATTTTGATTTTCTATCTTATGGTGTCTCTGTTGTGGCTTCTATAGCCT
 TCGATTTTGGAACTTTACTCCCAAGAAAGATGACACAATATGACAAAGATCATTGG
 AAATTGTGTGTCATCTTGGTTTTGAGCTCTGCTCTGCCGTGATGTCGAGAACACTGGG
 AATCACTAGATTTGATCTACTTGCGCACTTTGGAAGGTTTAATTGGCTGGGAAATTTCTA
 TATTGTATTATCTACAATTTGCTTTTTGCTATTGTGACAACATTGTGTCTGGTCCGAAA
 ATTCACCTCTGCAGTTCGAGAAGAACTTTCAAGGCCCTAGGGCTTCATAAACTCACTT
 ACCAAATACTTCAAGGGATTGAGAAACAGCCAAGCCTTCTGTAATGGGCATCAGAAAGC
 ACTGTGAGACGCACAGACGGCTCTTCTGCCACCAAGAGACCCGAGAAGTCCAGATTAC
 GACATTCTGTCCCATGTAGAAGCATTTCCATTCAACCGTGGCCCTCTTCAGAACCTAG
 ACCTATCAGTGCCATTTTTTTTTTATAATCTACGAAGAAGTGGCTATGGCTGATCTTTT
 TTAATTTAACTTCTGATGGACCTGTAGTTTCCAGTTAAGTGCAGATTCCTTACAGAC
 ATATAGAACAGCGCATTCTTCTGTAGACATTTGCTCATGTTGGTAAATACAATCACCCT
 ATGAAAAAATGTTTTACCTGATATGAAAAATGTTAGAAAAGGCAAACTCCGGGACTTCT
 AAAGATTTACTTAAATCCCATATTGACTTTATTCAGAAATGTAGAAGCTGACTTGAAAGG
 CATCCTTGGTACTAAGTGAAGCTTATTCAGAAAATGCATTTTTCAATGCAATGGCAACT
 GCTTGTAGATATCATTTTTGCAGTGTATGTTGGAGCTGTAATGGTTGCAATTATGTTTCT
 TATTTCTTAAAGCAAAAAGCGTAGTTTCTGATTTATGTTATAGAATGATACTGATTAG
 ACTTTGAGCCAAGGGGAAAATACTAAATCTTTTAAACCTGGAGCCTTAGAGAGCCACAG
 GAATATCTTCTGTTGTACAGTCTAATAAGCTGTGGTAGGAAGTATCATGTAATCAGATT
 TAATGACAGTTTATGTATATATATAATTCACTATTCCCTCTGATAACATAGTTGCCAGTG
 TTAAATACACTTGAACCTTGATTTTTACCTTATAGGCTATATGTATACTCAGTTTTTTA
 AAGCATTTTTTTCAGAGATCACTTAATCCCCATGCTTCTGCAATGCATATAAAACTAT
 AAATGCCGAGTGGTAGAACTCCTTTCTTATAGTCTCAGGCTTTGGTTACATTTGC
 ATATGCCATTTGAAGCTCCAGCTTTTACCAGTTTAACATCCAAAGTTCACAGCATCAGC
 ATTCATGGTGAAGAACAGTTTTGCAGTATAACACGATCTGATAATCATTCACTTATTAA
 ATTGTAATAAATTATTGGGATGGTTTCTTGGCTTTAAGTCCACTGAATAAAACTATGAA
 ATTGCAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_022458

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_022458.3</u> , <u>NP_071903.2</u>
RefSeq Size:	4909 bp
RefSeq ORF:	1473 bp
Locus ID:	64327
UniProt ID:	<u>Q8WVP7</u>
Cytogenetics:	7q36.3
Domains:	LMBR1, YdjC
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the LMBR1-like membrane protein family. Another member of this protein family has been shown to be a lipocalin transmembrane receptor. A highly conserved, cis-acting regulatory module for the sonic hedgehog gene is located within an intron of this gene. Consequently, disruption of this genic region can alter sonic hedgehog expression and affect limb patterning, but it is not known if this gene functions directly in limb development. Mutations and chromosomal deletions and rearrangements in this genic region are associated with acheiropody and preaxial polydactyly, which likely result from altered sonic hedgehog expression. [provided by RefSeq, Jul 2008]