

## Product datasheet for **SC305049**

### LMF1 (NM\_022773) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LMF1 (NM_022773) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMF1
Synonyms:	C16orf26; HMFN1876; JFP11; TMEM112; TMEM112A
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene sequence for NM\_022773 edited  
 ATGCGCCCTGACAGCCCAACAATGGCGGCGCCCGCGGAGTCGCTGAGGAGGCGGAAGACT  
 GGGTACTCGGATCCGGAGCCTGAGTCGCCGCCCGCGCGGGGCGTGGCCCCGAGGCTCT  
 CCGGCCCATCTCCACACGGGCACCTTCTGGCTGACCCGGATCGTGCTCTGAAGGCCCTA  
 GCCTTCGTGTAATTCGTGGCATTCTGGTGGCTTCCATCAGAACAAGCAGCTCATCGGT  
 GACAGGGGGCTGCTTCCCTGCAGAGTGTCTGAAGAATTCCAGCAGTACTTCCAGGAC  
 AGGACAAGCTGGGAAGTCTTCCAGTACATGCCACCACCTCTGGCTGATGGACTGCA  
 GACATGAACTCCAACCTGGACTTGGCTCTTCTCGGACTGGGCATCTCGTCTTTCGTA  
 CTGATCACGGGCTGCGCCAACATGCTTCTCATGGCTGCCCTGTGGGGCCTCTACATGTCC  
 CTGGTAAATGTGGGCATGTCTGGTACTTTTCGGATGGGAGTCCAGCTTCTGGAGACA  
 GGATTCCTGGGGATCTTCTGTGCCCTCTGTGGACGCTGTCAAGGCTGCCCCAGCATAACC  
 CCCACATCCCGGATTGTCTGTGGGGCTCCGGTGGCTGATCTCAGGATCATGCTTGGGA  
 GCAGGCCGATCAAGATCCGGGGGACCGGTGCTGGCAGACCTCACCTGCATGGACTTC  
 CACTATGAGACCCAGCCGATGCCAATCCTGTGGCGTACTACCTGCACCACTCACCTGG  
 TGGTTCATCGCTTCGAGACGCTCAGCAACCACTTCATCGAGCTCCTGGTGCCCTTCTTC  
 CTCTTCTCGGCCGGCGGCGTGCATCATCCACGGGGTGTGCAGATCCTGTTCCAGGCC  
 GTCCTCATCGTCAGCGGGAACCTCAGCTTCTGAACTGGCTGACTATGGTGCCCGACCTG  
 GCCTGCTTTGATGACGCCACCCTGGGATTCTTGTTCCTCTGGGCCAGGCAGCTGAAG  
 GACCGAGTTCTGCAGATGCAGAGGGACATCCGAGGGGCCCGGCCGAGCCAGATTCCGGC  
 TCCGTGGTGGCGGTGCAGCCAACGTCTCGCTGGGCGTCTGTGGCCTGGCTCAGCGTG  
 CCCGTGGTCTCAACTTGGTGTGAGCTCCAGGCAGTCAACACCCACTTCAACTCTCTT  
 CACATCGTCAACACTTACGGGGCCTTCGGAAGCATCACCAGGAGCGGGCGGAGGTGATC  
 CTGCAGGGCACAGCCAGCTCCAACGCCAGCGCCCCGATGCCATGTGGGAGGACTACGAG  
 TTCAAGTGCAAGCCAGGTGACCCAGCAGACGGCCCTGCCTCATCTCCCGTACCCTAC  
 CGCTGGACTGGCTGATGTGTTTCGCGGCTTCCAGACCTACGAGCACAACGACTGGATC  
 ATCCACCTGGCTGGCAAGCTCCTGGCCAGCAGCGCGAGGCTTGTCCCTGCTGGCACAC  
 AACCCCTTCGCGGGCAGGCCCCCGCCAGGTGGTCCGAGGAGAGCACTACAGGTACAAG  
 TTCAGCCGCTCTGGGGCAGGCACGCCCGGAGGGCAAGTGGTGGTGGCAAGAGGATC  
 GGAGCCTACTTCCCTCCGCTCAGCCTGGAGGAGCTGAGGCCCTACTTCAGGGACCGTGG  
 TGGCTCTGCCCGGGCCCTCTAGACGTGCACCAGAAATAAAGGGCAAGACCCAGCCCT  
 CGCGGGCTCAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022773 unedited  
 NGGTACAGTTCACATTTGTATACCATCATATAGCGGCCCGCATGCGCCCTGGACGCCCAA  
 CAATGGCGGCGCCCGCGGNATCGCTGAGGAGGCGGAAGACTGGGTACTCGGATCCGGAGC  
 CTGAGTCGCCCGCCCGCGGGGCGTGGCCCCGAGGCTCTCCGGCCCATCTCCACACGG  
 GCACCTTCTGGCTGACCCGGATCGTGCTCCTGAAGGCCCTAGCCTTCGTGTAATTCGTGG  
 CATTCTGGTGGCTTTCATCAGAACAAGCAGCTCATCGGTGACAGGGGGCTGCTTCCCT  
 GCAGAGTGTCTGAAGAACTTCCAGCAGTACTTCCAGGACAGGACAAGCTGGGAAGTCT  
 TCAGCTACATGCCACCATCCTCTGGCTGATGGACTGGTCAACATGAACTCCAACCTGG  
 ACTTGTGGCTCTTCTCGGACTGGGCATCTCGTCTTTCGTAATGATCACGGGCTGCGCCA  
 ACATGCTTCTCATGGCTGCCCTGTGGGGCTCTACATGTCCCTGGTAAATGTGGGCCATG  
 TCTGGTACTTTTCGGATGGGAGTCCCAGCTTCTGGAGACAGGATTCCTGGGGATCTTCC  
 TGTGCCCTCTGTGGACGCTGTCAAGGCTGCCCCAGCATAACCCACATCCCGGATTGTCC  
 TGTGGGGCTTCCGGTGGCTGATCTTCAAGATCATGCTTGGAGCAGGCCTGATCAAGATCC  
 GGGGGGACCGGTGCTGGCGAGACCTCACCTGCATGGACTTCCACTATGAGACCCAGCCGA  
 TGCCCAATCCTGTGGCGTACTACCTGCACCACTCACCTGGTGGTTCATCGCTTTCNAGA  
 CGCTCAGCAACCACTTCAT

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_022773 unedited GCCATTGTGAGAGGCACTTNCAGGTCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCC ACCCGGGATCTGTTTCAGGAAAAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTT TT TTGAGCCCCCAGGGGCTGGGTCTTCCCCTTTATTTTTGGGGCACCTTAAAGGGGCCCG GGCAAAAGCCACCCACGGTCCCTGAAATAAGGCCTCAACTCTCCAAGCTGAACGGAAGG AAATAAGCTCCGATTCTTTTTTCGCACCCACCAATTTGCCTTGGGGGGGTGCCTGCCCCA AGAAGGGTGAACCTGTACCTGTAGTGCTCTCCTCGGACCCACTGGGCGGGGCCTGCC CCAAAAGGGTTTTGTCCAACAGGGACAAGCCTCGGCGTCGCTGGCCAAGAAGTTGCCA ACCAGGTGGATGATCCACTCCTTGTGCTCCTAAGTCTGGAAAGCCGGAACACATCAAC CAATCCAAGCGGTATTGGTACCGGGAGATGAAGCAAGGCCTCTGCTGGGGTCACCTGGC TTGCACTGAACTCGTAATCCTCCACATGGCAATCGGGGCGCTTGCCTTGGGAAGTGGC TTGTCCCCTGCAAGATCACCTTCCCCCTTCTTGTTGATGCCTTCAAAGGCCCTT AATTTTTGACCAATTTGAAAAAATTTAAATGGGGTGTTCATGAACCTGCCCTGGAACC TCACAAGTTTTAGGACAAAGGGGCCCTGAAACCCCGCCAGCCAGGGACCCCCAAAAA GAAACTTTTGCTTGCCCCCACCCTGGGAACCCAAATTTGGGGTTCGGGCCGGGG CCCCTCGGAAGTGCCCTTTTGGGAATTGAAAATTATG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_022773
<b>Insert Size:</b>	1800 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_022773.1</a></u> , <u><a href="#">NP_073610.1</a></u>
<b>RefSeq Size:</b>	2600 bp
<b>RefSeq ORF:</b>	1704 bp
<b>Locus ID:</b>	64788
<b>UniProt ID:</b>	<u><a href="#">Q96S06</a></u>
<b>Cytogenetics:</b>	16p13.3

**Protein Families:** Transmembrane

**Gene Summary:** The protein encoded by this gene resides in the endoplasmic reticulum, and is involved in the maturation and transport of lipoprotein lipase through the secretory pathway. Mutations in this gene are associated with combined lipase deficiency. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2010]  
Transcript Variant: This variant (1) represents the protein-coding transcript.