

## Product datasheet for SC115004

### LAMP3 (NM\_014398) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LAMP3 (NM_014398) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAMP3
Synonyms:	CD208; DC-LAMP; DC LAMP; DCLAMP; LAMP; LAMP-3; TSC403
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115004 sequence for NM_014398 edited (data generated by NextGen Sequencing)

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ATGCCCCGGCAGCTCAGCGCGGGCCGCGCTCTTCGCGTCCCTGGCCGTAATTTTGCAC
GATGGCAGTCAAATGAGAGCAAAAGCATTTCAGAAACCAGAGATTATTCTCAACCTACT
GCAGCAGCAACAGTACAGGACATAAAAAACCTGTCCAGCAACCAGCTAAGCAAGCACCT
CACCAAATTTAGCAGCAAGATTCATGGATGGTCATATCACCTTTCAAACAGCGGCCACA
GTAAAAATTTCAACAACACTACCCAGCAACTACAAAAACACTGCAACCACCAGCCCAATT
ACCTACACCCTGGTCACAACCCAGGCCACACCAACAACACTCACACACAGCTCCTCCAGTT
ACTGAAGTTACAGTCGGCCCTAGCTTAGCCCTTATTCACTGCCACCCACCATCACCCCA
CCAGCTCATAACAACCTGGAACAGTTCATCAACCGTCAGCCACACAACCTGGGAACACCACT
CAACCCAGTAACAGACCACCCTTCCAGCAACTTATCGATAGCACTGCACAAAAGCACA
ACCGGTCAGAAGCCTGTTCAACCCACCCATGCCCCAGGAACAACGGCAGCTGCCCAAT
ACCACCCGCACAGCTGCACCTGCCCTCCACGGTTCCTGGGCCACCCCTGCACCTCAGCCA
TCGTCACTCAAGACTGGAATTTATCAGGTTCTAAACGGAAGCAGACTCTGTATAAAAGCA
GAGATGGGGATACAGCTGATTGTTCAAGACAAGGAGTCGGTTTTTTTACCTCGGAGATAC
TTCAACATCGACCCCAACGCAACGCAAGCCTCTGGGAACGTGGCACCCGAAAATCCAAC
CTTCTGTTGAATTTTCAGGGCGGATTTGTGAATCTCACATTTACCAAGGATGAAGAATCA
TATTATATCAGTGAAGTGGGAGCCTATTTGACCGTCTCAGATCCAGAGACAGTTTACCAA
GGAATCAAACATGCGGTGGTGATGTTCCAGACAGCAGTCGGGCATTCTTCAAGTGCCTG
AGTGAACAGAGCCTCCAGTTGTACGCCACCTGCAGGTGAAAACAACCGATGTCCAACCT
CAAGCCTTTGATTTGAAGATGACCACTTTGAAATGTGGATGAGTGCTCGTCTGACTAC
ACAATTGTGCTTCTGTGATTGGGGCCATCGTGGTTGGTCTCTGCCTTATGGGTATGGGT
GTCTATAAAATCCGCCTAAGGTGTCAATCATCTGGATACCAGAGAATCTAA

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Clone variation with respect to NM\_014398.3  
267 g=>a;952 a=>g



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_014398 unedited</p> <pre> CGCGTTGACCATTGAACACTTTCACTTAGGCGGCCGCCGAATTCGCACGAGGCCGATTC GGGGCCTGCCCGGACTTCGCCGCACGCTGCAGAACCTCGCCCAGCGCCACCATGCCCCG GCAGCTCAGCGCGGGCGCCGCGCTCTTCGCGTCCCTGGCCGTAATTTTGCACGATGGCAG TCAAATGAGAGCAAAAGCATTTCAGAAACCAGAGATTATTCTCAACCTACTGCAGCAGC AACAGTACAGGACATAAAAAAACCTGTCCAGCAACCAGCTAAGCAAGCACCTCACAAAC TTTAGCAGCAAGATTCATGGATGGTCATATCACCTTTCAAACAGCGGCCACAGTAAAAAT TCCAACAACACTACCCAGCAACTACAAAAAACACTGCAACCACCAGCCCAATTACCTACAC CCTGGTCACAACCAGGCCACACCAACAACACTCACACACAGCTCCTCCAGTTACTGAAGT TACAGTCGGCCCTAGCTTAGCCCTTATTCACTGCCACCACCATCACCCACCAGCTCA TACAACTGGAACCAAGTTCATCAACCGTCAGCCACACAACCTGGGAACCACTCAACCCAG TAACCAGACCACCTTCCAGCAACTTTATCGATAGCACTGCACAAAAGCACAACCCGTC GAAGCCTGTTCAACCCACCCATGCCCCAGGAACAACGGCAGCTGTCCACAATACCACCCG CACAGCTGCACCTGCCTCACCGTTCCTGTGCCACCCTTGACCTCAGCCATCGTTCAT CAAGACTGCAATTTATCACGTTCTAAACGGAATCCAACCTCTGTATAAAAGCCCAACATG GTGATACCCCGATTGTTCCAACAAAGTACTCGGTTTTTTTCACTCGGGCAACCTCCACT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_014398 unedited</p> <pre> GGCACGCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTCCAAAGTAAGTTTTTATTACA AAAACCTTTACTACAATTCAATGTTTTATTAAGACTAAAGTCAGGACCTTGCCAACCTAC TGAGTCATAAGGAAACACATGAGGAAAGTCAACATGGTCTCTAGGCTGACTTGAATTATT CCTTGACTAAAAATTCTAGGGTTATGTGGACTTTTCTGTAAACATCCTGACTTAGTTCCT TTCTTTAGCAGCAAAAAAACAGCAGAAATAAAATTTCTTGGCAGGCTGCTCTACAGAATA AAGTGAACAATAGGAAATATGGATATGAAGTGCAGAAGCAGCAAGTTACACAAGATGGG GCTATACACTCAAGAAAGAACAGTTGGTTAGCGAAGTTTCTCTATTATCAAAAAATTTA AAAATACTTTGAGTTTATTTGATGCCTTCATCTTTACAGCCCAGCTAAGCAATCCATAA AAATGAGCAACTGACTAATGTTTTACAAAGCCCTCAGTCTCCTTCCAGAGAGTGGAGGA TTTATTAAGGATAGGCTATTTTGTATCTGCAAAGCTCTCCTTTCATCTACCCTAATGTC TCATGATCCTGGATAAACCCATTTCCCTGTAAGGTGAGCGTATGCTGGTATGAAGTGTGA GCCCCAGGCAGAGGGACGTGTCATTGTTCTTGTAGGTAAGTGGGTACGGAGAATACAA AGACCTTGATGCCAGACCAACCTAAATCAAATCTCTGCTCTGCCTTAATTTANCCAGGCG ACATTTAATCGATCCACTCCCTCTAGCCCATCTTACTCCTTCCCTCATACGTGTGGAA AATGAAATGAGTATTAGAATAAGGCGCTATCCTTAACTCTGGGCCTTTGTTATTATTAAG GCCCTATTAGGCCCTTGTCTATGGTCTATCCCACCCTCGACCCCTAATTCTTACTT CTCACCTTGGACAGGTCTTAACAACAACATACCG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014398
<b>Insert Size:</b>	3090 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>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_014398.2</a></u> , <u><a href="#">NP_055213.2</a></u>
<b>RefSeq Size:</b>	3316 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	27074
<b>UniProt ID:</b>	<u><a href="#">Q9UQV4</a></u>
<b>Cytogenetics:</b>	3q27.1
<b>Domains:</b>	Lamp
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Lysosome
<b>Gene Summary:</b>	Dendritic cells (DCs) are the most potent antigen-presenting cells. Immature DCs efficiently capture antigens and differentiate into interdigitating dendritic cells (IDCs) in lymphoid tissues that induce primary T-cell responses (summary by de Saint-Vis et al., 1998 [PubMed 9768752]).[supplied by OMIM, Dec 2010]