

## Product datasheet for **SC126454**

### **C20orf103 (LAMP5) (NM\_012261) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C20orf103 (LAMP5) (NM_012261) Human Untagged Clone
Tag:	Tag Free
Symbol:	LAMP5
Synonyms:	BAD-LAMP; BADLAMP; C20orf103; LAMP-5; UNC-46
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >OriGene sequence for NM\_012261 edited  
 TGCTCTGCCAGCAGCTGTGCGGTGCCGCGCTCGACACCGAGTCCTAGCTAGGCGCTCACAG  
 AATACGCGCTCCCTCCCTCCCTTCTCTGTCCCCGCTCTCGCTACCCCGGCCACT  
 CCAGCGGCGACTTTGAGGGATCCCTCTCTGGCGGCTCTGCAGCAGCACAGCCGGCCTC  
 ATTCGGGGCACTGCGAGTATGGATCTCCAAGGAAGAGGGGTCCCAGCATCGACAGACTT  
 CGAGTTCTCTGATGTTGTTCCATACAATGGCTCAAATCATGGCAGAACAAGAAGTGGAA  
 AATCTCTCAGGCCTTCCACTAACCTGAAAAAGATATATTTGTGGTGGGGAAAAATGGG  
 ACGCGTGTCTCATGGCAGAGTTTGCAGCCAAATTTATTGTACCTTATGATGTGTGGGCC  
 AGCAACTACGTAGATCTGATCACAGAACAGGCCGATATCGCATTGACCCGGGAGCTGAG  
 GTGAAGGGCCGCTGTGGCCACAGCCAGTCGGAGCTGCAAGTGTCTGGGTGGATCGCGCA  
 TATGCACTCAAAATGCTCTTTGTAAGGAAAGCCACAACATGTCCAAGGGACCTGAGGCG  
 ACTTGGAGGCTGAGCAAAGTGCAGTTTGTCTACGACTCCTCGGAGAAAACCCACTTCAA  
 GACGCAGTCAGTGTGGGAAGCACACAGCCAACCTCGCACCACCTCTGCCTTGGTCACC  
 CCCGCTGGGAAGTCTATGAGTGTCAAGCTCAACAAACCATTTCACTGGCCTCTAGTGAT  
 CCGCAGAAGACGGTCACCATGATCCTGTCTGCGGTCCACATCCAACCTTTTGACATTATC  
 TCAGATTTTGTCTTCAAGTGAAGAGCATAAATGCCAGTGGATGAGCGGGAGCAACTGGAA  
 GAAACCTTGCCCTGATTTTGGGGCTCATCTTGGGCTCGTCATCATGGTAAACACTCGCG  
 ATTTACCACGTCCACCACAAAATGACTGCCAACAGGTGCAGATCCCTCGGGACAGATCC  
 CAGTATAAGCACATGGGCTAGAGGCCGTTAGGCAGGCACCCCTATTCTGCTCCCCAA  
 CTGGATCAGGTAGAACAACAAAAGCACTTTTCCATCTTGTACACGAGATACACCAACATA  
 GCTACAATCAAACAGGCTGGGTATCTGAGGCTTGCTTGGCTTGTGTCCATGCTTAAACC  
 CACGGAAGGGGGAGACTTTTCGATTTGTAGGGTGAATGGCAATTATTCTCTCCATGC  
 TGGGGAGGAGGGGAGGAGGCTCTCAGACAGCTTTCGTGCTCATGGTGGCTTGGCTTGGC  
 TCTCAAAGAGCAATAAATGCCACTTGGAGCTGTATCTGGCCCCAAAGTTTAGGGATTGA  
 AAACATGCTTCTTTGAGGAGGAAACCCCTTTAGGTTTCAAGAATAATGGGGTGTCTTGT  
 CCCTTGGACACAGCTGGCTTATCCTATACAGTTGTCAATGCACACAGAATAAACCTCAT  
 GCTCCCTGCAGCAAGACCCCTGAAAGTATTATGCTTCTGGCTGGCATTCTGCATGTTT  
 AGTGATTGTCTTGGGAATGTTTCACTGCTACCCGCATCCAGCGACTGCAGCACCAGAAAA  
 CGACTAATGTAATATGCAGAGTTGTTTGGACTTCTTCTGTGCCAGGTCCAAGTCGGGG  
 GACCTGAAGAATCAATCTGTGTGAGTCTGTTTTTCAAAATGAAATAAACACACTATTCT  
 CTGGCAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_012261 unedited  
 NGAGGTAGATATTTGTATACGATTACTATAGGCGGCCGCGNATTCAGATCTGGTACCGGT  
 CCGGAATCCCGGGATATCGTCGACCCACGCGTCCGTGCTCTGCCAGCAGCTGTCGGTGC  
 CGCGCTCGACACCGAGTCTAGCTAGGCGCTCACAGAATACGCGCTCCCTCCCTCCCTCT  
 TCTCTGTCCCCGCTCTCGCTCACCCCGGCCACTCCAGCGGCGACTTTGAGGGATTCC  
 CTCTCTGGCGGCTCTGCAGCAGCACAGCCGGCCTCATTGGGGCACTGCGAGTATGGAT  
 CTCCAAGGAAGAGGGTCCCCAGCATCGACAGACTTCGAGTTCTCCTGATGTTGTTCCAT  
 ACAATGGCTCAAATCATGGCAGAACAAGAAGTGGAAAACTCTCAGGCCCTTCCACTAAC  
 CCTGAAAAAGATATATTTGTGGTGGGGAAAAATGGGACGAGTGTCTCATGGCAGAGTTT  
 GCAGCCAAATTTATTGTACCTTATGATGTGTGGGGCCAGCACTACGTAGATCTGATCACA  
 GAACAGGCCGATATCGCATTGACCCCGGGAGCTGNAAGTGAAGGGCCGCTGTGGCCACAG  
 CCAGNTCGAGCTGCAAGTGTCTGGGTGGATCGCGCATATGCACTCCAAATGCTCTTTGT  
 AAAGGGAAGCCCCACATGTCCAAGGGACCTGAGGCGACTTGGAGGCTGAGCAAATGCAG  
 TTTGGCTACCACTTCTCGGAGAAAAACCTTTCAAACGCAATCCGTGCTGGGAAAAAC  
 AAGGCAATTGGAACCACATTTGGCTTGGGTAACCCCTGGGAGGTCCATGAATGG  
 CTCAGCTCAACAAACCTTTAATGGC

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_012261

<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>	<a href="#">NM_012261.2</a> , <a href="#">NP_036393.1</a>
<b>RefSeq Size:</b>	1793 bp
<b>RefSeq ORF:</b>	843 bp
<b>Locus ID:</b>	24141
<b>UniProt ID:</b>	<a href="#">Q9UJQ1</a>
<b>Cytogenetics:</b>	20p12.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>Plays a role in short-term synaptic plasticity in a subset of GABAergic neurons in the brain. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>