

## Product datasheet for **RC232234**

### **C20orf103 (LAMP5) (NM\_001199897) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C20orf103 (LAMP5) (NM\_001199897) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** LAMP5  
**Synonyms:** BAD-LAMP; BADLAMP; C20orf103; LAMP-5; UNC-46  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC232234 representing NM\_001199897  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATCTCCAAGGAAGAGGGGTCCCCAGCATCGACAGACTTCGAGTTCTCCTGATGTTGTTCCATACAA  
TGGCTCAAATCATGGCAGAACAAGAAGTGGAAAATCTCTCAGGCCTTCCACTAACCTGAAAAAGATAT  
ATTTGTGGTGC GGAAAATGGGACGACGTGTCTCATGGCAGAGTTGCAGCCAAATTTATTGTACCTTAT  
GATGTGTGGGCCAGCAACTACGTAGATGAAAGCCACAACATGTCCAAGGGACCTGAGGCGACTTGGAGGC  
TGAGCAAAGTGCAGTTTGTCTACGACTCCTCGGAGAAAACCCACTTCAAAGACGCAGTCAGTGCTGGGAA  
GCACACAGCCAACTCGCACCACCTCTCTGCCTTGGTCACCCCGCTGGGAAGTCCTATGAGTGTCAAGCT  
CAACAAACCATTTCACTGGCCTCTAGTGATCCGCAGAAGACGGTCACCATGATCCTGTCTGCGGTCCACA  
TCCAACCTTTTGACATTATCTCAGATTTTGTCTTCAGTGAAGAGCATAAATGCCAGTGGATGAGCGGGA  
GCAACTGGAAGAAACCTTGCCCTGATTTTGGGGCTCATCTTGGGCCTCGTCATCATGGTAACACTCGCG  
ATTTACCAGTCCACCACAAAATGACTGCCAACCAGGTGCAGATCCCTCGGGACAGATCCAGTATAAGC  
ACATGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC232234 representing NM\_001199897  
 Red=Cloning site Green=Tags(s)

MDLQGRGVPSIDRLRVLLMLFHTMAQIMAEQEVENLSGLSTNPEKDI FVVRENGTTCLMAEFAAKFIVPY  
 DVWASNYYDESHNMSKGPEATWRLSKVQFVYDSSEKTHFKDAVSAGKHTANSHHL SALVTPAGKSYECQA  
 QQTISLASSDPQKTVTMILSAVHIQPFDIISDFVFSEEHKCPVDEREQLEETLPLILGLILGLVIMVTLA  
 IYHVHHKMTANQVQIPRDRSQYKHMG

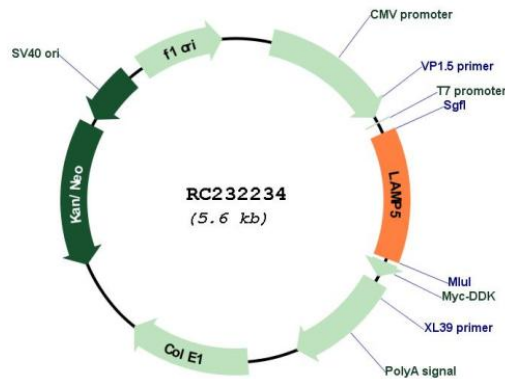
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001199897  
**ORF Size:** 708 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001199897.1</a> , <a href="#">NP_001186826.1</a>
<b>RefSeq Size:</b>	1927 bp
<b>RefSeq ORF:</b>	711 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>MW:</b>	27 kDa
<b>Gene Summary:</b>	Plays a role in short-term synaptic plasticity in a subset of GABAergic neurons in the brain. [UniProtKB/Swiss-Prot Function]