

## Product datasheet for **MG216993**

### Lamp3 (NM\_177356) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lamp3 (NM_177356) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lamp3
Synonyms:	1200002D17Rik; Cd208; DC-LAMP; DCLAMP; LAMP; TSC403
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216993 representing NM_177356 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGGCAGATCTCTGCAGTAGCTGTACTCTTCTGTCCCTGACTGTAATTTACATGGCTATCAAA  
TAAGAGAAAAAGAATTTCCAAAAGCCAGAGGCTATCTTCAATATACTGCAACATCAGCAGAACAGATCAC  
AACAAAACCTCTACTACAAGTATTAACCAAAGATCTCATATAACTTTAGCATCAAGATTCAGGATGAT  
TACATTCAAATGGCTGCTGAACTTCAGCCATTGAAAACACAGCCCATATAACAATGAAAACAGTAACCC  
CAGTAACTACAAAGGCCTTCCACCCATCAGCTCAGCTAGTTATACCTTTGTCAGATCTAATAACGCACA  
CATGACTGCTTCTACTGACGATACCATTTGGCTCTGGCTCAATTGCACATTTACCAGTTCCTACAACC  
AGAGCTAGTCTAGCCATTGTCAACTATATAACTGGGAGAGCTACACAACCTGGTGGTCAGACTACCTTC  
CCAAAACATTTTTACAGCATCACACAAAAGCACAACCAATCAGAGGCCAACTCTGTCCACTAATGTCTT  
AGGAACATCAACACCTACACACAAGGACAGATCAACGACCTCACCTGTTCCCTAGTTTCTAGGCCACT  
CTTGTAACTTGGTCATCACCAGCCAAGATCGGAACTTATGAAGTCTAAATGGAAGCAGGCTCTGTATTA  
AAGCAGAGATGGGACTAGCACTGATTGTTCAAGAAAAGGATTTGGATTCTGCAACCCAAAGATATTTCAA  
CATTGACCCAGCCTAACCCATGCATCTGGGAAATGTGACTCCCCAAAATCCAACCTCTTCTTGAATTT  
CAGGGTGGATCTGTGAATATCACATTTACCAAGGAAGAAAACCTTATATTATTAGTGAAGTTGGAGCAT  
ATTTGACCATCTCAAATACAGAGAAGACTTACCAGGGAAGAAGAACTTTGATGATGTTTGAGACAGT  
AGTTGGGCATTCCTCAAGTGTGTCAGTGAAGCAGATCCAGTGTGAGCTCAGCTTCAAATGAAAACA  
ATGAATATCCACCTTCAGGCCTTTGATTTGGAAGGAGACTCCTTTGAAAATGTGAACGAGTGTGTTCTG  
ACTACACAGTTGTGCTTCTATGGTTGCAATCATCGTGGTGTGATCTGTGTTGTGGGTCTGAGTGTGTTA  
CAAAATCCGCCAAAGGCATCAGTCATCTGCATACCAGAGAATC

**ACGGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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Protein Sequence: >MG216993 representing NM\_177356  
 Red=Cloning site Green=Tags(s)

MPGQISAVAVLFLSLTVILHGYQIREKEFPKARGYLQYTATSAEQITTKPLLQLINQRSHITLASRFKDD  
 YIQMAAETSAIENTAHITMKTVTPVTTKSLPPISSASYTFVRSNNAHMTASSTDDTIGSGSIAHLPVPTT  
 RASLAIVNYITGRATQLGGQTTLPKFTTASHKSTTNQRPTLSTNVLGTSTPTHKDRSTTSPVPLVPRPT  
 LVTWSSPAKIGTYEVLNGSRLCIKAEMGLALIVQEKDLDSATQRYFNIDPSLTHASGKCDQSQKSNLFLNF  
 QGGSVNIITFTKEENLYYI SEVGAYLTISNTEKTYQGKNTLMMFETVVGHSHFKCVSEQSIQLSAQLQMKT  
 MNIHLQAFDFEGDSFGNVNECLSDYTVVLPMAIIVVVICVVGLSVYKIRQRHQSSAYQRI

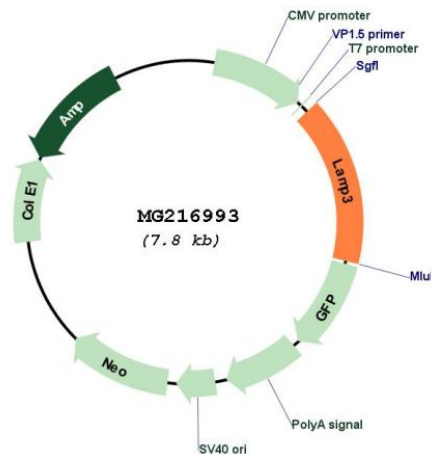
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_177356

<b>ORF Size:</b>	1233 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_177356.3</a> , <a href="#">NP_796330.2</a>
<b>RefSeq Size:</b>	3343 bp
<b>RefSeq ORF:</b>	1236 bp
<b>Locus ID:</b>	239739
<b>UniProt ID:</b>	<a href="#">Q7TST5</a>
<b>Cytogenetics:</b>	16 A3
<b>Gene Summary:</b>	May play a role in dendritic cell function and in adaptive immunity.[UniProtKB/Swiss-Prot Function]