

Product datasheet for **RR205961**

Lamp3 (NM_001012015) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lamp3 (NM_001012015) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lamp3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205961 representing NM_001012015
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGGGCAGACCTCTGCAGTAGCTGTACTCCTGTGTCTGGCTGTAATTTTACATGGCTATCAAATA
GAGAAAAAGAATTTCCAGAAGCCAGAGGCTATCTTCAATATACTGCAACAACAACAGAACAGATCACAGC
AAAACCTCCACTACCACTGACTAACCACCAATCTCATGCAACTTAGCATCAAGGTCCAAGGATGATTAC
ATTCAAACGGCTGCCGAAACTTCCACTTTTGAAGACACAGCCACATAACAATGAAAACAGCAATCCCAG
TAACTACGAAGAGCCTTCTACCCATCAGCTCAACTAGCTATACCTTTGTTAGAATAATAACTCACACAT
GACTGCTTCACTACTGAAGATACTATTGGCTCTGGCTCAATTACACATTTACCATTTTCTACAACCAGA
GCTAGTCTAGCTGCTGTCAATCATATAACTGGGAGAAGTACCCAACCTGGTGGTCAGACTACCCTCCCA
AAGCACTTTTACACCATCACACGAAAGCACAACCACTCAGAGGCCAATCTATCCACTATTGTCTCAGA
ACTAACACCTACAGGCAAGGACAGATCAACAACCTCATCTGTTCCCTTAGTCCCAGGCCTACTTTTGT
ACTTGGTCATCACCTGCCAAGATTGGAACCTATGAAGTACTAAATGGAAGCAGGCTCTGTATAAAAGCAG
AGATGGGAATAGCGCTGATTGTTCAAGAAAAGGGTTTGGATTCTGCAACCCAGAGGCACTCAACATTGA
CCCCAGTCTAACCCATGCATCTGGGAAATGTGGCTCCCAAACTCCAACCTCTTCTTGAATTTCCAGGGT
GGATCCGTGAATGTCACATTTACCAAGGAAGAAAACCTTATATTACGTTAGTGAAGTTGGAGCTTATTTGA
CCATCTCAAATACAGAGAAGACCTACCAAGGAAGAGTACTATGATGATGTTTGAGACAGTAGTTGGGCA
TTCTTTCAAGTGTGTCAGTGAGCAGAGCATCCAGCTATCAGCTCAGCTTCAAATGAAAACAAATGAATATC
CATCTTCAGGCCCTTTGATTTTGAAGGAGACTCCTTTGGAATTGTGGACGAGTGTGTTGTCAGACTACACAG
TTGTGCTTCTGTGGTTGGGATCATCGTGGTTGCCTCTGTGTTGGGTCTGGGCATCTACAAAATCCG
CAAAGGCGTCAGTCATCTGCATACCAGAGAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR205961 representing NM_001012015
 Red=Cloning site Green=Tags(s)

MPGQTSAVAVLLCLAVILHGYQIREKEFPEARGYLQYTATTEQITAKPPLPLTNQTSHATLASRSKDDY
 IQTAAETSTFEDTAHITMKAIPVTTKSLPLISSTSYTFVRTNNSHMTASSTEDTIGSGSITHLPFPTTR
 ASLAAVNHITGRSTQLGGQTTLPKALFTPSHESSTTTQRPTLSTIVSELTPTGKDRSTTSSVPLVPRPTFV
 TWSSPAKIGTYEVLNGSRLCIKAEMGIALIVQEKGLDSATQRHFNIDPSLTHASGKCGSQNSLFLNFQG
 GSVNVTFKEENLYYVSEVGAYLTISNTEKTYQKSTMMMFETVVGHFSFKCVSEQSIQLSAQLQMKTMNI
 HLQAFDFEGDSFGIVDECLSDYTVVLPVVGIIIVVLCVVGGLGIYKIRQRQSSAYQRI

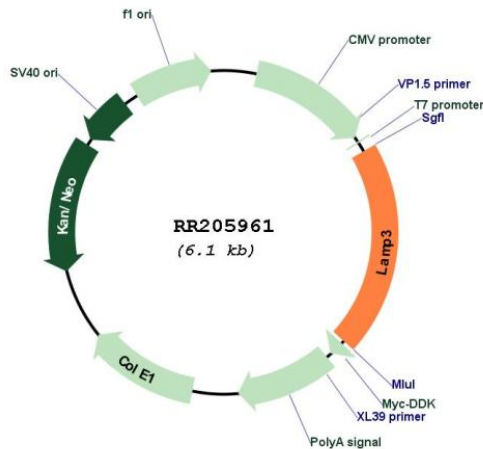
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012015

ORF Size:	1224 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_001012015.1 , NP_001012015.1
RefSeq Size:	1927 bp
RefSeq ORF:	1227 bp
Locus ID:	303801
UniProt ID:	Q5XI99
Cytogenetics:	11q23
MW:	44.4 kDa
Gene Summary:	May play a role in dendritic cell function and in adaptive immunity.[UniProtKB/Swiss-Prot Function]