

## Product datasheet for MC224918

### Ltn1 (NM\_001081068) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ltn1 (NM_001081068) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ltn1
Synonyms:	4930528H02Rik; AV266914; C87237; Listerin; Rnf160; Zfp294
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224918 representing NM_001081068 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCGGAAGAACAAGCAGCGGACTAAGGGGAACCTCAGGCCTTCAAACAGTGGCCGAGCTGCAGAAC  
TCCTCGCCAAAGAGCAGGAACAGTGCCTGGGTTTCATTGGTTTTGGCACATCTCACAGTGACCTGGGCTA  
TGTTCCGGCTGTTCAAGGCGCGAAGACATAGACAGTCTTGTAGATTCCGATTTCCGAATGGTGCTGCGG  
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GTGTGTCTAGCCTAGTAGGGTCTTCAGAGGCCAAGGAGCTCACTGAAGTTACACAGAAAGAAAAGTGC  
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 AGAGCACCTCCAGACTCTGTGAACACTTTGACCCACTGCTTCTCTTCAAGCCAGACCTGTGCAAAAT  
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 GACTTCTGCTATGTCTGGGATACCTCCTCACTTGGAAAGTTAATACTGACTTTCTTCAAAGCTGCATCGT  
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 CTTCAGACTTATGCCAGAAAACCCTACGTACGGAGAGACAGCTATTGAGGTATCAAGTAAAGACCCCAAG  
 ACCTTCTTACCAGGAGGTTTCACTGAGTATTAGAGAAACAGCAACTCTCCGATCATATCCACACC  
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 GAGAAGTGTGGCTACGTACCCATCGAAGACATAGTCATTGAACTCATAATACAGTTGCTTCCAAATTA  
 CCCACTGGGCTCAATAACAGTGGAAAGTGGGAAGAGGATCGGGGTGGCTGTGACAGTGGCGAAACTGG  
 ATGCTGCAGCTGAGCACGTACCTCACTACCAGAACGGAAGTATCATGGAAGGCTTAGCATTATGGAAGA  
 ATAATGTAGACAAACGGTTTGAAGGTGTTGAAGATTGTATGATCTGCTTCTCAGTTATTCATGGTTTCAA

CTATTCTCTTCCAAAAAGCCTGTAGAACATGCAAGAAAAAGTTTCACTCAGCTTGCCTGTACAAATGG  
TTTACATCTAGCAACAAGTCCACTTGCCCGCTCTGCCGTGAGACCTTTTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001081068

**Insert Size:** 5304 bp

**OTI Disclaimer:** 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).

**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:**

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\\_001081068.1](#), [NP\\_001074537.1](#)

**RefSeq Size:** 7737 bp

**RefSeq ORF:** 5304 bp

**Locus ID:** 78913

**UniProt ID:** [Q6A009](#)

**Cytogenetics:** 16 C3.3

**Gene Summary:** E3 ubiquitin-protein ligase (PubMed:19196968). Component of the ribosome quality control complex (RQC), a ribosome-associated complex that mediates ubiquitination and extraction of incompletely synthesized nascent chains for proteasomal degradation (By similarity). Ubiquitination leads to Vcp/p97 recruitment for extraction and degradation of the incomplete translation product (By similarity).[UniProtKB/Swiss-Prot Function]