

Product datasheet for **MC204101**

Tldc1 (NM_028883) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tldc1 (NM_028883) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tldc1
Synonyms:	4632415K11Rik; Kiaa1609
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC030874
 GTTCCAGAGAGCAGGCAAGATGGGGAATGCCAAGAGCCTGTGGGCCAGAAGATGGCCTCAAGGTTCTTG
 CCCGAGGAGCAGGCTGAGGTAGACAAGCTGTTTGTATGTCTGTATCTAGTGAAGGCGGTGTGGCAACGG
 GGACATTCTCTTGGAGGCGATGAAGAGCCATGTCAAGGAGGCCCTCCCCCAGCGATGGTCACCAGACT
 GTATAACGGCATGCAGAGGGTGAAGCAACCGACAGGACACTCGGAGCTGCAGGAGTGTTCACAGAGAG
 CAATTCAGTGCATTCTGTCCCAGCTGTTGAGAGGGAGCTGTGAGGAAAAAGGCCTAATGGTTATGAACA
 TGATCTCAGATGCAGAGGGTCTACAAAGACCAGAGATGTCCAGAAGTTCACAGAGGACCTGGTGGCCTC
 TGTGGCGCACGTGCTGACCCACCGGCATGAGCTTCGAGGCTGGACCTGCAGGAAATCCGAGGTGCCCCCT
 GACAGTATGCAGGCCATGGTCGCCAGCTGCTCTGAGATGAAGTTTCAAGATGGCTACAAGTTCAGG
 GCCCTCAGTGCCTGGACCAGGTCTGCGACCAAGCCATGATCGAGGAGTGGGTGTTCCACGTCCCTCACGT
 GGGCATGTTCTGAGCGTGGTCTGCCACAGGGCCTGTGCCTCCTGGGTTTCATCTTTGATCCGTCCACG
 CTGGTCCCCGAGTGCCTCGCGGACCAAGGTGGCCGTTTCGAGAGCATCCTGGATGTGCTGTCGTATCT
 ACCTCAGTCCCACCTGGCCCCGAGCATCGGCAACGCTGGCGCCTGCTGTTCTCCACGCAGCTCCACGG
 GCAGAGCTTCTCCCAGCTCTGCAGCCACATCACCAGCCAGGGGCCAGCCTGCTTGTCTTGAGGACAGG
 GATGGCTACGTCTTTGGTGGCTTCGCCTCTGCTCTTGGGAAGTTAAGCCTCAGTTCCAAGGGGACAACA
 GATGTTTCTGTTCTCCATTGCCCCAGAATGGCCACGCACCTGCACACGGGCTACAATAACCACTTCAT
 GTACTTGAATTACGGACAGCAAACCATGCCTAATGGACTGGGCATGGGTGGGCGAGCACCATTACTTTGGG
 CTTTGGGTGGCTGCCGACTTTGGGAAAGGACACAGCAAGGCGAAGCCAGCGTGCACCACCTACAACAGCC
 CACAGCTCTCTGCCAGGAGGACTTCTGTTTCGATAAGATGGAGGTGTGGGGACTTGGCAACCTCTTAGA
 GGAATATGAGGGCAAGAAACAAGAAGAGCGTCTGGACTCAATCCCGAAGCCCGTAGCCTGTTGGAGATC
 AGCGGACGGGCTCGGCACAGCGAGGGACTGCGGGAAGTCCCAGGGATGAGGACTGAGATAAGGCAACCT
 CTTAGAGCTCTCCTGGATGGAGAGCATCCTGGAGCAGGGGCGGGACTCCCCAGGGATGCAGAGCAGAGA
 CGGTCTAGATTCTCACTGCTGTGTGAACAGAGAGAGCTCTTCTTACCCTCTGTCTAATCCTGCTTAG
 CCTTAACACAGAGCCACATGGTTGCACGCAGACCATCACGGACACACTTAAATCAGAACACAGCCATGCT
 GAGAAAATTCTCTGAAGCCATAATCGATGGGTGTTGCCTCCCAGGGGCCCTGAGCGTGGGTAGAACCT
 TGGCCTTAAACTTTGTCTTCTGTCTTTTGTCCATGGCATCCAAAGACAAAGAGGCTTGAACCTGCTGGG
 GCTGGTGGTTGAGGGCATGCATTCTTGCCTTGTGAGGGGGCACCATGCTCTGAGGTCCCTGTATGTGCC
 CGATGGCCAGCATGAGTGAAAGACAGGGGTGCTTAGATGAATATCTTGGTACTCTGTGAGAATACTAC
 TCCCCCCCACACACACCCACCATGCAATTTGTGGGTTGTAGCTGAAGATCTGAAGGAAATGTCTCTG
 GGGCAGGTTCTCAGAATGGGCTTGCTGTGGGGTCTATCTAGCTTTCTCAACTTTTTACGCCTGAT
 GAACAAGGGTGGAAAGCCAGACCATTTACCCAGAGACCAAGCCTTTCCTGTGCTGCTAATCCAATATG
 GGACCTGGGACCTTTGAGGAGACTTGAAGTCTGCATGCTTGCCCAATGTGTGCATAACACCCACCCATCC
 CAGATGCCAGTGGTGGGTGATGTCCGGCCGTGGCTGGGAGTGTACGCCTCCAGGTGCCTTCTCTAGGTC
 ACAGCTCAGGGCTTCTCAGGAGGGGGATAGGTCATGGGACAGCATGACTTACTTCAGACAGACTCTAGTG
 GTCCCCAAAGACTGACTATGACTCAGGTGGCCAGGCTGCCCATCACACTGTTAGTGATGGCCACCCAGCT
 CCATCCACTCAGAGGAGCTGTGGGCCCTTGAGACCTCTACGTCTGTTTGTAAACCTCTATGTCTTTTGC
 TGTAACCTTCAACCTTTACGGATCTGCTACAAGTTTTACTCTTGCATATACAGTTTGCCCATGGTAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028883

Insert Size: 1368 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC030874 , AAH30874
RefSeq Size:	2543 bp
RefSeq ORF:	1368 bp
Locus ID:	74347
UniProt ID:	Q8K0P3
Cytogenetics:	8 E1
Gene Summary:	Activates an alternative mTOR signaling through RPS6KB2 activation and EIF4EBP1 repression to regulate cell proliferation and migration. Recruits MTOR at the lysosome, essential for MTOR signaling at the lysosome.[UniProtKB/Swiss-Prot Function]