

## Product datasheet for **MC217653**

### Zc3h12d (NM\_172785) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h12d (NM_172785) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zc3h12d
Synonyms:	D730019B10Rik; TFL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC217653 representing NM\_172785

Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGGAGCATCGGAGCAAGATGGAATTTTCCAGAACTGGGCTACAGCCAGGAGGACGTGGTCAGGGTGC  
TGGCAAACCTGGGTGACAGTGCCTTGGTCAATGACGTGCTTCAAGAGTTGATCCAGACCGGACAGTCGCC  
AAGGGCCAGGAGGATCCAGCCAGTGGCACCGGGTAGTGCTGATTCCCCGGGGATGCTGCGGGTCCAA  
GACTCTGCCAGCAGGGCCTGGGACCAGGCCTAGAAGAGGCTGGCGGAGATCCAGCCCGCTTCTGCGGC  
CCATAGTGATCGATGGCAGCAATGTGGCTATGAGCCATGGAAATAAAGAAGCCTTCTCTTCCGGGGAAT  
TCGTCTGGCTGTGGACTGGTTTAGAGACAGAGGACACACCTACATCAAGTTTTTGTCCCATCTTGAGG  
AAAGAGCCATCAAGTCTGATACTCTATCAGAGAGCAACACGTGCTGGAGAACTGGAGCGCAAGCTG  
TGTTGGTGTATACCCATCCCGCAAGGTGAACGGCAAGCGAGTGGTCTGCTACGATGACCCTACATCGT  
GAAGTGGCCTATGAGAAGGATGGCATCATTGTCTCCAATGACAACCTACCGAGACCTGCAGAACGAAAC  
CCAGAGTGGAAATGGTTCATCGAGCAGCGGCTGCTCATGTTCTCCTTTGTAATGACAGGTTTCATGCCTC  
CTGATGACCCCTGGGCCGCGTGGACCAACACTAAGCAACTTCTAAGCAAGAAGCCAAGGCCCCAGCA  
GCCATCTGGCAACACTGTCCCTATGGCAAGAAATGCACCTACGGGGTCAAGTGCAGATTCTACCACCC  
GAGAGACCACACCATGGGAGCTGTCTGTGGCCGACGAACTCCGTGCCAAGACCGGGCCTGGCTGGGTG  
GTGGCGCCGAGGAGCCGCGGACACCGAGCGCCGAGCCGTCCTACAACAGCCCGGCTGCTTCCCGAGGA  
GCCCGGAGCACGACCTCCCGCCAGCCCGCAGCCCGCGGTCTGCGAGCTTTGAATAGGAGCTTCGCT  
CGGCTCACCTTCAGCGACACCGCGCCAGCGGCTCGTGTCTCAGTCTCGTGGCCGACTGGATGCCCA  
CGGGTGTCCCAGTCTGGGCCCAACCTCCCTTCGCGCGGGCAGCGCTGCCACCATAGGTTGCCAGG  
TATGCGGAGCCTCCGACTCCGAACAACCGCTTCTCCGGGCGATCTCGGGTCTCCAATCTGCCACAG  
GCCCGGCTGTGCGAGAGACCGTTCAGGACATGCACAGTGACCTGCCTCCCGAGCGAGACCGCTGG  
AAGATCCGTGGGCTCTCCTGCCAGCTCTATTGTATCTGAACCACTCGGTCTGGTCCGAGTCCGCTTG  
GGGTGAGGACATCTTAGAGGACCTTCGGAGTCAGCACAACTGTGCGCAATGGTGGGGAAACACGCCCT  
GTGCACTGCAGCTTCTCCACCTGACCAAGACCACCTGTGATGGCTCGGGTCTCCGCTCTCCGACA  
TGGCTCTGCTCACCTCTGCAGAGATCCCAAAGACCGGTGCTCCGTTGGGGATCCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1726\\_e04.zip](https://cdn.origene.com/chromatograms/ja1726_e04.zip)

Restriction Sites: SgfI-MluI

ACCN: NM\_172785

Insert Size: 1602 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\\_172785.3](#), [NP\\_766373.2](#)

**RefSeq Size:** 4093 bp

**RefSeq ORF:** 1602 bp

**Locus ID:** 237256

**UniProt ID:** [Q8BIY3](#)

**Cytogenetics:** 10 A1

**Gene Summary:** May regulate cell growth likely by suppressing RB1 phosphorylation (By similarity). May function as RNase and regulate the levels of target RNA species (Potential). In association with ZC3H12A enhances the degradation of interleukin IL-6 mRNA level in activated macrophages (PubMed:26134560). Serve as a tumor suppressor in certain leukemia cells (By similarity). Overexpression inhibits the G1 to S phase progression through suppression of RB1 phosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]