

## Product datasheet for **MR224396**

### Zbtb8os (NM\_025970) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zbtb8os (NM\_025970) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Zbtb8os  
**Synonyms:** 2010001H09Rik; 2310028N13Rik; AI851226; Arch; Archm  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224396 representing NM\_025970  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTCAAGAGGAGGAAGATGTTAGAGATTACAATTTGACGGAGGAACAGAAGGCGACCAAGGACAAGT  
ATCCTCCAGTCAATCGAAAATATGAATATTTGGATCATAACGGCTGATGTCCAGTTACACGCATGGGGAGA  
CACTCTGGAGGAAGCATTGAACAGTGTCCATGGCCATGTTTGGTTACATGACAGATACTGGGACTGTG  
GAGCCCCCTCCGACCGTGAAGTAGAAACCAAGGGGACGACCTGCAGTCTCTGCTGTTTCACTTTTTGG  
ACGAGTGGCTTTACAAGTTCAGCGCTGATGAGTACTTCATACCCCGGAAGTGAAGTACTTAATATTGA  
TCAGAAAATTTCAAGTTACGATCCATTGGGTGGGGAGAAGATTCTCACTGTCCAAGCACCTCAGGGA  
ACAGAAGTCAAGGCAATAACGTACTCAGCAATGCAAGTCTATAATGAAGAGAAGCCAGAAGTGTGTTGTGA  
TCATCGACATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224396 representing NM\_025970  
Red=Cloning site Green=Tags(s)  
MAQEEEDVRDYNL TEEQKATKDKYPPVNRKYEYLDHTADVQLHAWGDTLEEA FEQCAMAMFGYMTDTGTV  
EPLRTVEVETQGDQLQSLLFHFLDEWL YKFSAD EYFIPREVKVLNIDQKNFKLRSIGWGEEFSLSKHPQG  
TEVKAITYSAMQVYNEEKPEVFVIIDI

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9042\\_c12.zip](https://cdn.origene.com/chromatograms/mm9042_c12.zip)



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_025970

ORF Size: 501 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:

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\\_025970.4](#)

RefSeq Size: 660 bp

RefSeq ORF: 504 bp

Locus ID: 67106

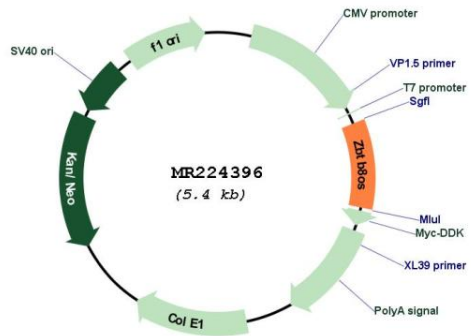
UniProt ID: [Q505B7](#)

**Cytogenetics:** 4 D2.2

**MW:** 20 kDa

**Gene Summary:** Component of the tRNA-splicing ligase complex required to facilitate the enzymatic turnover of catalytic subunit RTCB. Together with DDX1, acts by facilitating the guanylation of RTCB, a key intermediate step in tRNA ligation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224396