

Product datasheet for **MG224396**

Zbtb8os (NM_025970) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zbtb8os (NM_025970) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Zbtb8os
Synonyms: 2010001H09Rik; 2310028N13Rik; AI851226; Arch; Archm
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224396 representing NM_025970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGGGCGGAAGTAAGAGTACCAACTCCGCAATCATGGCTCAAGAGGAGGAAGATGTTAGAGATTACA
 ATTTGACGGAGGAACAGAAGGCGACCAAGGACAAGTATCTCCAGTCAATCGAAAATATGAATATTTGGA
 TCATACGGCTGATGTCCAGTTACACGCATGGGAGACACTCTGGAGGAAGCATTGAAACAGTGTGCCATG
 GCCATGTTTGGTTACATGACAGACTGGGACTGTGGAGCCCTCCGCACCGTGAAGTAGAAACCAAG
 GGGACGACCTGCAGTCTCTGCTGTTTCACTTTTGGACGAGTGGCTTTACAAGTTCAGCGCTGATGAGTA
 CTTCATACCCCGGAAGTGAAAGTACTTAATATTGATCAGAAAAATTTCAAGTTACGATCCATTGGGTGG
 GGAGAAGATTCTCACTGTCCAAGCACCCCTCAGGGAACAGAAAGTCAAGGCAATAACGTACTCAGCAATGC
 AAGTCTATAATGAAGAGAAGCCAGAAGTGTGTTGATCATCGACATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG224396 representing NM_025970
 Red=Cloning site Green=Tags(s)

MKGGSKSTNSAIMAQEEEDVRDYNLTTEEQKATKDKYPPVNRKYEYLDHTADVQLHAWGDTLEEAFFEQCAM
 AMFGYMTDTGTVEPLRTVEVETQGDDLQSLLFHFLDEWLKFSADAEYFIPREVKVLNIDQKFNKLRISIGW
 GEEFSLSKHPQGTEVKAITYSAMQVYNEEKPEVFVIIDI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<u>NM_025970.3, NP_080246.1</u>
RefSeq Size:	660 bp
RefSeq ORF:	504 bp
Locus ID:	67106
UniProt ID:	<u>Q505B7</u>
Cytogenetics:	4 D2.2
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 guanylylation of RTCB, a key intermediate step in tRNA ligation (By similarity).[UniProtKB/Swiss-Prot Function]