

## Product datasheet for RC221460

### ZBTB8OS (NM\_178547) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZBTB8OS (NM\_178547) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ZBTB8OS  
**Synonyms:** ARCH; ARCH2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC221460 representing NM\_178547  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGGCGGAAGTAGAGTGTCTAATCCTGCAGTCATGGCGCAGGAAGAGGAAGATGTTAGAGATTACA  
ATTTGACTGAAGAACAGAAGGCGATCAAGGCCAAGTATCCGCCAGTCAATAGGAAGTACGAGTATTTGGA  
TCATACAGCAGATGTCCAGTTACACGCATGGGGAGATACTCTGGAGGAAGCATTGAGCAATGTGCAATG  
GCCATGTTTGGTTACATGACAGATACTGGACAGTGGAGCCCCTCAAACAGTAGAAGTAGAAACCCAAG  
GAGATGACTTACAGTCTCTTCTGTTTCACTTTTTGGATGAATGGCTTTATAAGTTCAGTCTGATGAATT  
CTTCATACCCCGGAAGTAAAAGTACTTAGCATTGATCAAAGAAATTTCAAATTACGATCAATGGGTGG  
GGAGAAGAATTTTCATTGTCCAAGCACCCCTCAGGAACAGAAGTCAAAGCAATAACATATTCAGCAATGC  
AGGTCTATAATGAAGAGAACCCGGAAGTTTTGTGATCATTGACATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC221460 representing NM\_178547  
Red=Cloning site Green=Tags(s)  
MKGGSRVSNPAVMAQEEEDVRDYNLTTEEQKAIKAKYPPVNRKYEYLDHTADVQLHAWGDTLEEAFFEQCAM  
AMFGYMTDTGTVEPLQTVEVETQGDDLQSLLFHFLDEWLKFSADIEFFIPREVKVLSIDQRNFKLRSIGW  
GEEFSLSKHPQGTEVKAITYSAMQVYNEENPEVFVIIDI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8042\\_g11.zip](https://cdn.origene.com/chromatograms/mk8042_g11.zip)



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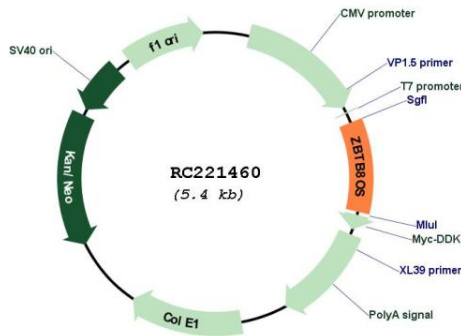


**Cytogenetics:** 1p35.1

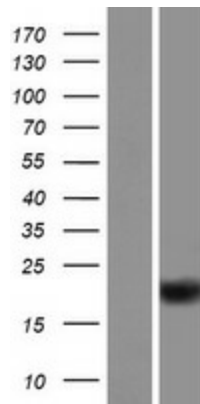
**MW:** 20.5 kDa

**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 guanylylation of RTCB, a key intermediate step in tRNA ligation.[UniProtKB/Swiss-Prot Function]

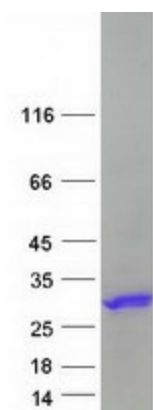
**Product images:**



Circular map for RC221460



Western blot validation of overexpression lysate (Cat# [LY405917]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221460 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZBTB8OS protein (Cat# [TP321460]). The protein was produced from HEK293T cells transfected with ZBTB8OS cDNA clone (Cat# RC221460) using MegaTran 2.0 (Cat# [TT210002]).