

## Product datasheet for **SC307209**

### ZBTB8OS (NM\_178547) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB8OS (NM_178547) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZBTB8OS
Synonyms:	ARCH; ARCH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307209 representing NM_178547. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGGCGGAAGTAGAGTGTCTAATCCTGCAGTCATGGCGCAGGAAGAGGAAGATGTTAGAGATTAC
AATTTGACTGAAGAACAGAAGGCGATCAAGGCCAAGTATCCGCCAGTCAATAGGAAGTACGAGTATTTG
GATCATAACAGCAGATGTCCAGTTACACGCATGGGAGATACTCTGGAGGAAGCATTGAGCAATGTGCA
ATGGCCATGTTTGGTTACATGACAGATACTGGGACAGTGGAGCCCTCCAACAGTAGAAGTAGAAACC
CAAGGAGATGACTTACAGTCTCTTCTGTTTCACTTTTGGATGAATGGCTTTATAAGTTCAGTGCTGAT
GAATTCTCATACCCGGGAAGTAAAGTACTTAGCATTGATCAAAGAAATTTCAAATTACGATCAATT
GGGTGGGAGAAGAATTTTCATTGTCCAAGCACCTCAGGGAACAGAAGTCAAAGCAATAACATATTCA
GCAATGCAGGTCTATAATGAAGAGAACCCGGAAGTTTTGTGATCATTGACATTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:

ACCN: NM\_178547

Insert Size: 540 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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_178547.3</a>
<b>RefSeq Size:</b>	1211 bp
<b>RefSeq ORF:</b>	540 bp
<b>Locus ID:</b>	339487
<b>UniProt ID:</b>	<a href="#">Q8IWT0</a>
<b>Cytogenetics:</b>	1p35.1
<b>MW:</b>	20.7 kDa
<b>Gene Summary:</b>	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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).