

## Product datasheet for SC108656

### ZNHIT2 (NM\_014205) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNHIT2 (NM_014205) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNHIT2
Synonyms:	C11orf5; FON
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108656 sequence for NM_014205 edited (data generated by NextGen Sequencing)

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ATGGAGCCGGCCGGCCCTGTGGCTTCTGCCCGCGGGGAGGTCCAGCCAGCGCTTAC
ACCTGCCCTCGCTGTAATGCGCCCTACTGCTCGCTGCGCTGCTACCGGACGCATGGCACC
TGCAGCAAAAACCTTCTACCGTGACCAGGTGCTGGGAGAGCTCCGCGGTTGCAGCGCTCCT
CCCAGCCGCTAGCAAGCGCCCTACGCCGCTGCGTCAGCAACGCGAGACCGAGGACGAG
CCTGGGGAAGCAGGCCTCAGCTCCGGCCCGGCCCGCGGCCTATCGGGACTCTGGGAG
CGGCTGGCGCCGGGCGAAAAAGCTGCCTTCGAGCGGCTGCTGAGCCGCGGTGAGGCCGGG
CGGCTGCTGCCTCCATGGCGCCGTGGTGGTGAACCGCGGAGCCGACCGCAGCTTCTG
GAGGAGCTGGATAATGCCCGGGTAGTGACGCCGCGGAGCTGGAGCTCGCCCTGCGAGG
ACCCCGCCGATTCTGTGAAAGATGCCTCCGCCGCGGAGCCCGCGCCGCGAGCGGGTT
CTTGAGATGTCCCGGGGCTGCACGCCGCTGTACCCACCCGATCCCGCGATAGTC
AGCCTGAGCCCGGCCAGTCTCGCCGCTCGTGCCTTCCAGCTGCCAATGTGCTGTTC
GCCTACGCGCATACTCTCGCCCTGTATCACGGCGGTGACGACGCGCTGCTCTGACTTC
TGTGCCACACTGCTCGGCGTTTCCGGAGCCCTGGGTGCCAGCAAGTCTTCGCTCTGCG
GAAGAAGCCCTGCAGGCGGCAGCCACGTGCTGGAAGCAGGCGAGACCCCGCCGGGGCC
CTGGGCACACGAGGGCTATGCACGAGGTGCGCCGCATCCTGCTGGGCGAGGGCCCGACC
AACCAGAAAGGCTACACGCTGGCAGCACTGGGGACCTGGCACAGACCCCTGGGCCGTGCC
CGGAAACAGGCCGTGGCTAGAGAAGAGCGAGATCATCTTTACCGGCCCGGAAAAAGTGC
CAGTTCCCTCGCCTGGACCAACGAAAAATGAGGCGGCCCTCACACCCCTGGCTCTAGAC
TGCGCCAGGGCTACCAAGCCATGCTGTGGTAGCCGAGGAGGTGGCCGCCCTCACTGGG
GAGCTGGAGCGGCTTTGGGGAGGCCCGTCCACCTGCCCAAGAACTCTCATTGAGGAG
CTCCCTAGCTGA

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Clone variation with respect to NM\_014205.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014205 unedited  
 TATAGGCGGCCGGCGATTTCGGCACGAGGCCTCGTGCCGAATTCGGCACGAGGCTACCACC  
 GGCGTGC GTTTCGCAGGTAGATCGCGGTGCCAGTTGCCATGGAGCCGGCCGGCCCTGTGG  
 CTTCTGCCCGGGGGGAGGTCCAGCCAGCGGTTACACCTGCCCTCGCTGTATCTGCGC  
 CCTACTGCTCGCTGCGCTGCTACCGGACGCATGGCACCTGCGCAGAAAATTCTACCGTG  
 ACCAGGTGCTGGGAGAGCTCCCTGGTTGCATCCCTCTCCAGCCGCTAGCAAGCGCCC  
 TACGCCGGCTGCGTCAGCAACGCGAGACCGAGGACGAGCCTGGGAAGCAGGCATCAGCT  
 CCGGCCCGGCCCGGCCGCTATCGGGACTCTGGGAGCGGCTGGCGCCGGCGAAAAAG  
 CTGCCTTCGAGCGGCTGACGAGCCCGGTGAGGCCGGCGGCTGCTGCCTCCATGGCGGC  
 CGTGGTGGTGAAACCGGGAGCCGGAACGTAGCTTCTGGAGGAGCTGATAAATGCCCCC  
 GGTAGTGACGCCGCGGAGCTGGAGCTCGCCCTGCGACGCTCCCGCCGATTCTGTGAAA  
 GATGCCTCCGCCGCGAGCCCGGAACGCCGAGCGGGTCTTGGAGATGTCCCGGGGGC  
 CTGCACGCCCGTGTACCCACCCGCATCCCGCGATAGTCAGCCTGAGCCGCGGCCAGT  
 CTCGCCTGTCGTGCGCTCCAGTGCCTAATGTGCTGTTGCGCTACGCGCATACTCTCGC  
 CCTGTATCCCGCGGTGACGACGCGCTGCTCTGACTTTTGTGCCACTGCTCGGAGGT  
 TCCGGAGCCCTGGTGCCACCAAGTCTCCTCTCTGAGGAGAGCCCTGCGCGGCCACAC  
 CGTGCCTGGAGCAGCGAGCCCCCGGGACTCTGGCACCCAGGGGT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014205 unedited  
 AAGTAAAGNCCCGACCAGCTTTATAATGACCAGGTAACCCGTTCCAGCTAGGGAGCTCCT  
 CATTTTGAGTTCTTGGGCGAGGTGGCACGGGGCTCCCCAAAGCCGCTCCAGTCCCCAG  
 TGAGGGCGGCCACCTCCTCGGCTACCACAGCATGGGCTTGGTGGAGCCCTGGCGAGTCTA  
 GAGCCAGGGGTGTGAGGGCCGCTCATTTCGTTGGTCCAGGCCAGGAGAACTGGCACT  
 TTTCCGGGCCCGGTAAAGATGATCTCGCTCTTCTAGCCACGCGCTGTTCCGGGCAC  
 GGCCAGGGTCTGTGCCAGTCCCCAGTGTGCCAGCGTGTAGCCTTTCTGGTTGGTGC  
 GGCCCTCGCCAGCAGGATGCGGGCGACCTCGTGCATAGCCCTCGTGTGCCAGGGGCC  
 CCGGCGGGTGTGCTCGCTGCTTCCAGCACGTGGGCTGCCGCTGCAGGGCTTCTCCGCGA  
 AGGCGAAGACTTGCTGGGCACCCAGGGCTCCGGAACGCCGAGCAGTGTGGCACAGAAGT  
 CAGAGAGCAGCGCTGTCACCGCCGTGATACAGGGCGAGAGTATGCGCGTAGGCGAACA  
 GCACATTGGGCAGCTGGAAGCGCACGAGCGGCGAGACTGGGCCCGGCTCACGCTGACTA  
 TCGCGCGATGCGGGTGGGTACGACGGGCGTGCAGGCCCGGGACATCTCCAGACCCC  
 GCTCGGGCGGCGGGCTCCGCGCGGAGCATCCTTTACAGATCCGGCGTGGTCTCCG  
 AGGCGAGCTCCAGTCCGCGGCTCCTTACCGGGGCATATCCACTTCTCACAAAGCTG  
 CGGGCCCGCTCCCGGGTCCCCCCCCCGGCCGCTGGGAGGAAAACCCCGGGGCTTACCG  
 GGCTAAAAACCGTTCAT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014205

**Insert Size:**

4780 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).

<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>	<u>NM_014205.2, NP_055020.1</u>
<b>RefSeq Size:</b>	1321 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	741
<b>UniProt ID:</b>	<u>Q9UHR6</u>
<b>Cytogenetics:</b>	11q13.1
<b>Domains:</b>	zf-HIT
<b>Gene Summary:</b>	May act as a bridging factor mediating the interaction between the R2TP/Prefoldin-like (R2TP/PFDL) complex and U5 small nuclear ribonucleoprotein (U5 snRNP) (PubMed:28561026). Required for the interaction of R2TP complex subunit RPAP3 and prefoldin-like subunit URI1 with U5 snRNP proteins EFTUD2 and PRPF8 (PubMed:28561026). May play a role in regulating the composition of the U5 snRNP complex (PubMed:28561026). [UniProtKB/Swiss-Prot Function]