

Product datasheet for **SC114485**

UTP18 (NM_016001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UTP18 (NM_016001) Human Untagged Clone
Tag:	Tag Free
Symbol:	UTP18
Synonyms:	CGI-48; WDR50
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114485 sequence for NM_016001 edited (data generated by NextGen Sequencing)

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ATGCCGCCGAGCGGAGGAGACGAATGAACTGGACCGGAGAACCGGAGCGAAGCCGAAG
CGGAAGCCCGAATGAGGCCGACTGAAAGCCGGAGCGGGGCCAGGCGGGCCTCCCAA
AAGCCTGCCCTTCATCCCAGCGAAACCGCCGGCCCGGAGCGCGGCGGCGCTGCG
ATTGCAGTCGCGCGCGGAGGAAGAGACGGCTCCGGCAGCGGAACCGCTGAGGCTG
GAGGAGACAAACCGGCCGTGGAGCGTCTGGAGGAGCTGGTCTTCGGCGACGTCGAG
AACGACGAGGACCGTTCGTCGCGCTGCGAGGCCGAGGGTCAAGAACATGAAGAC
TCGGGTGACTCAGAAGTGGAGAATGAAGCAAAAGTAATTTCCACCTCAAAAAGAAGCA
GTTTGGGTGGATGAAGAAGATGAAGATGAGGAAATGGTTGACATGATGAACAATCGGTTT
CGGAAGGATATGATGAAAAATGCTAGTAAAGTAACTTTGAAAAGACAACCTTAAAAAG
AGACTTAAAGAAGAAATCCAACATGCCATGGGAGGAGTACCTGCCTGGCAGAGACTACT
AAGCGGAAAACATCTTCAGATGATGAAAGTGAAGAGGATGAAGATGATTTGTTCAAAGG
ACTGGAAATTCATATCCACATCAACTTCTTCCAAGAGGCATCTTGAAGATGAAGAAC
TGCCAGCATGCGAATGCTGAACGTCCTACTGTTGCTCGGATCTCATCTGTGCAGTTCCAT
CCCGGTGCACAGATTGTGATGGTTGCTGGATTAGATAATGCTGTATCACTATTTACAGTT
GATGGGAAAAACAATCCTAAAATTCAGAGCATCTATTTGAAAAGGTTTCAATCTTTAAG
GCTTGTTTTAGTGCTAATGGGAAGAAGTTTTAGCCACGAGTACCCACAGCAAGTTCTT
TATGTCTATGACATGCTGGCTGGAAAGTTAATTCCTGTGCATCAAGTGAGAGGTTTGAA
GAGAAGATAGTGAGGAGCTTTGAAGTCTCCCGAGATGGTCTCTTGTCTATAAATGGC
ATTGCTGGATATTTGCATTTGCTAGCAATGAAGACCAAGAAGTATTGGAAGCATGAAA
ATTAATGGAAGGTTGCAGCATCCACATCTCTTCAGATAGTAAGAAAGTATACGCCTCT
TCGGGGGATGGAGAAGTTTATGTTGGGATGTAAGTCAAGGAAGTGCCTTAACAGATTT
GTTGATGAAGGCAGTTTATATGGATTAAGCAATTGCCACATCTAGGAATGGACAGTATGTT
GCTTGTGGTTCTAATTGTGGAGTGGTAAATATATAACAATCAAGATTCTTGTCTCCAAGAA
ACAAACCCAAAGCCAATAAAGCTATAATGAACTTGGTTACAGGTGTTACTTCTTGACC
TTCAATCTACTACAGAAATCTTGCAATTGCTTCAGAAAAATGAAAGAAGCAGTCAGA
TTGTTTCTCTTCTTCTGTACAGTATTTTCAAACCTCCAGTCATTAATAAAGAAAT
ATTTCTCATGTTTACATACCATGGATTTTTCTCCGAGAAGTGGATACTTTGCCTTGGGGAAT
GAAAAGGGCAAGGCCCTGATGTATAGGTTGCACCATTACTCAGACTTCTAA
    
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Clone variation with respect to NM_016001.2
702 a=>c

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_016001 unedited
TACGACTCACTATAGGGCGCCGGAATTCGGCACGAGGCTCAAACCTAACGATGCCGCC
GGAGCGGAGGAGACGAATGAAACTGGACCGGAGAACCGGAGCGAAGCCGAAGCGGAAGCC
CGGAATGAGGCCGACTGAAAGCCGGAGCGGGGCCAGGCGGGCCTCCCAAAAAGCCTGTC
CCCTTCATCCCAGCGAAACCGCCGGCCCGGAGCGCGGCGGCGCTGCGATTGCAGT
CGCGGGCGGCGGAGGAAGAGAGACGGCTCCGGCAGCGGAACCGCTGAGGCTGGAGGAGGA
CAAACCGGCCGTGGAGCGGTGCTTGGAGGAGCTGGTCTTCGGCGACGTCGAGAACGACGA
GGACGCGTTGCTGCGGCTGTCGAGGCCCGAGGGTTCAAGAACATGAAGACTCGGGTGA
CTCAGAAGTGGAGAATGAAGCAAAAGTAATTTCCACCTCAAAAAGAAGCCAGTTTGGGT
GGATGAAGAAGATGAAGATGAGGAAATGGTTGACATGATGAACAATCGGTTTCGGAAGGA
TATGATGAAAAATGCTAGTGAAGTAACTTTGAAAAGACAACCTTAAAAAGAGACTTAA
AGAAGAATTCCAACATGCCATGGGAGGAGTACCTGCCTGGCAGAGACTACTAAGCGGAA
AACATCTTCAGATGATGAAAGTGAAGAGGATGAAGATGATTTGTTGCAAAGGACTGGGAA
TTTCATATCCACATCAACTTCTTCCAAGAGGCATCTTGAAGATGAAGAAGTGCAGCA
TGCGAATGCTGAACGTCNCTACTGTTGCTCGGATCTCATCTGTGCAGTTCATTCCGGTGC
ACAGAATGNGATGGCTGCTGGATTAATATGCTGTATACTATTTCAAGNTGATGGGAAAC
AAANNCTAAATCAAGCATTATTNGGAAAGGCTNCAATCTTAAGCTNNGTTAGTGCATGGG
GGGAAAAATTTACCAGAGTACCC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016001 unedited GGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTCAAAACAAAAGCTGCCACATGTT TATTAAGACATTACTGGCTCTTAAGCACAGCTGGATCTATAAATCATTTTCCATATATTA TCACATATTCAGGAAAGTTTCTGAGATGATATATCAAGACAGGCTTCTCTGTGACTCAA CTGGACTTCAAATAGTCTCTTTAAAAGTCTGAGTAATGGTGCAACCTATACATCAGGGCC TTGCCCTTTTCATTCCCCAAGGCAAAGTATCCACTTCTCGGAGAAAAATCCATGGTATGA ACATGAGAAAATATTCTTATTTTTAATGACTGGGAAGTTTGAAAACTGTACAGGAAGGA AGATGAACCAATCTGACTGCTTCTTTTCATTTTTTCTGAAGCAATTGCCAAGATTTCTGTA GTAGGATTGAAGGTCAGAGAAGTAACACCTGTAACCAAGTTCATTATAGCTTTTATTGGC TTTGGGTTTGTCTTGGAGACAAGAATCTTGATTGTATATTTTACCACTCCACAATTA GAACCACAAGCAACATACTGTCCATTCTAGATGTGGCAATGCTTAATCCATATAAACTG CCTTCATCAACAAATCTGTTAAGGCACTTCTTGAGTTCACATCCCAAACATAAACTTCT CCATCCCCGAAGAGGCGTATACTTTCTACTATCTGAAGAGAATGTGGATGCTGCAACC CTTCCATTAATTTTCATGCTTCCAAATCAGTTCTTTGGTCCTCATTGCTAGCAAATGCAA ATATCCAGCAATGCCATTTATGAGCCAGAAGACCCCATCTGGGAGACTTCAAAGCTCTC ACTACCTCTTTAAACCTCTACTTGATGCCAGAAATAACTTCCAGCCAGCTGTATAC ACATAAGAACCTGCTGGGGTCTCCTGCCTTAACCTCCTCCATTACCCTAAACAGCTTAA GATGAN
Restriction Sites:	NotI-NotI
ACCN:	NM_016001
Insert Size:	1600 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).
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_016001.1</u> , <u>NP_057085.1</u>
RefSeq Size:	1873 bp
RefSeq ORF:	1566 bp
Locus ID:	51096
UniProt ID:	<u>Q9Y5J1</u>
Cytogenetics:	17q21.33
Domains:	WD40

Gene Summary: Involved in nucleolar processing of pre-18S ribosomal RNA.[UniProtKB/Swiss-Prot Function]