

## Product datasheet for **SC315448**

### UBF1 (UBTF) (NM\_001076684) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UBF1 (UBTF) (NM_001076684) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBF1
Synonyms:	CONDBA; NOR-90; UBF; UBF-1; UBF1; UBF2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001076684 edited  
 ATGAACGGAGAAGCCGACTGCCCCACAGACCTGGAAATGGCCGCCCCAAAGGCCAAGAC  
 CGTTGGTCCCAGGAAGACATGCTGACTTTGCTGGAATGCATGAAGAAACACCTTCCATCC  
 AATGACAGCTCCAAGTTCAAACCACCGAATCACACATGGACTGGGAAAAAGTAGCATT  
 AAAGACTTTTCTGGAGACATGTGCAAGCTCAAATGGGTGGAGATTCTAATGAGGTGAGG  
 AAGTTCGTACATTGACAGAATTGATCCTCGATGCTCAGGAACATGTTAAAAATCCTTAC  
 AAAGGCCAAAAAACAAGAAACACCCAGACTTCCCAAAGAAGCCCTGACCCCTTATTTCC  
 CGCTTCTTCATGGAGAAGCGGGCCAAAGTATGCGAAACTCCACCCTGAGATGAGCAACCTG  
 GACCTAACCAAGATTCTGTCCAAGAAATACAAGGAGCTTCCGGAGAAGAAGAAGATGAAA  
 TATATTACGAGACTTCCAGAGAGAGAAACAGGAGTTCGAGCGAAACCTGGCCCGATTGAGG  
 GAGGATACCCCGACCTAATCCAGAATGCCAAGAAATCGGACATCCAGAGAAGCCCAAA  
 ACCCCCCAGCAGCTGTGGTACCCACGAGAAGAAGGTGTATCTCAAAGTGGCCGAGAT  
 GAGATCATGAGAGACTATATCCAGAAGCACCCAGAGCTGAACATCAGTGAGGAGGGTATC  
 ACCAAGTCCACCCTCACAAGGCCGAACGCCAGCTCAAGGACAAGTTTGACGGGGCAGCC  
 ACCAAGCCACCTCCGAACAGCTACTCGTGTACTGCGCAGAGCTCATGGCCAACATGAAG  
 GACGTGCCAGCACAGAGCGCATGGTGTGTGCAGCCAGCAGTGAAGCTGCTGTCCCAA  
 AAGGAGAAGGACGCTATCACAAGAAGTGTGATCAGAAAAAGAAAGATTACGAGGTGGAG  
 CTGCTCCGTTTCTCGAGAGCCTGCCTGAGGAGGAGCAGCAGCGGGTCTTGGGGGAAGAG  
 AAGATGCTGAACATCAACAAGAAGCAGGCCACCAGCCCCGCTCCAAGAAGCCAGCCAG  
 GAAGGGGGCAAGGGCGCTCCGAGAAGCCAAAGCGGCCGTGTGCGCCATGTTTCTTCTC  
 TCGGAGGAGAAACGGCGGAGCTGCAGGAGGAGCGGCCTGAGCTCTCCGAGAGCGAGCTG  
 ACCCGCCTGCTGGCCGAATGTGGAACGACCTGTCTGAGAAGAAGAAGGCCAAGTACAAG  
 GCCCGAGAGGCGCGCTCAAGGCTCAGTCGGAGAGGAAGCCCGGGGGAGCGCGAGGAA  
 CGGGGCAAGCTGCCGAGTCCCCAAAAGAGCTGAGGAGATCTGGCAACAGAGCGTTATC  
 GCGACTACCTGGCCGCTTCAAGAATGACCGGTGAAGGCTTGAAGCCATGGAATG  
 ACCTGGAATAACATGGAAAAAGAGGAGAACTGATGTGGATTAAGAAGGCAGCCGAAGAC  
 CAAAAGCGATATGAGAGAGAGCTGAGTGAGATGCGGGCACCTCCAGCTGTACAAATTCT  
 TCCAAGAAGATGAAATCCAGGGAGAACCAAGAAGCCTCCCATGAACGGTTACCAGAAG  
 TTCTCCCAGGAGCTGCTCCAATGGGGAGCTGAACCACCTGCCGCTGAAGGAGCGCATG  
 GTGGAGATCGGCAGTCGCTGGCAGCGCATCTCCAGAGCCAGAAGGAGCACTACAAAAAG  
 CTGGCCGAGGAGCAGAAAAGCAGTACAAGGTGCACCTGGACCTCTGGGTTAAGAGCCTG  
 TCTCCCCAGGACCGTGCAGCATATAAAGAGTACATCTCCAATAAACGTAAGAGCATGACC  
 AAGCTGCGAGGCCAAACCCCAAATCCAGCCGGACTACTCTGCAGTCCAAGTCCGAGTCC  
 GAGGAGGATGATGAAGAGGATGAGGATGACGAGGACGAGGATGAAGAAGAGGAAGATGAT  
 GAGAATGGGGACTCCTCTGAAGATGGCGGCGACTCCTCTGAGTCCAGCAGCGAGGACGAG  
 AGCGAGGATGGGGATGAGAATGAAGAGGATGACGAGGACGAAGACGACGACGAGGATGAC  
 GATGAGGATGAAGATAATGAGTCCGAGGGCAGCAGCTCCAGCTCCTCCTCCTCAGGGGAC  
 TCCTCAGACTCTGACTCCAATGA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001076684

**Insert Size:** 2200 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).

<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_001076684.1</a> , <a href="#">NP_001070152.1</a>
<b>RefSeq Size:</b>	4604 bp
<b>RefSeq ORF:</b>	2184 bp
<b>Locus ID:</b>	7343
<b>UniProt ID:</b>	<a href="#">P17480</a>
<b>Cytogenetics:</b>	17q21.31
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the HMG-box DNA-binding protein family. The encoded protein plays a critical role in ribosomal RNA transcription as a key component of the pre-initiation complex, mediating the recruitment of RNA polymerase I to rDNA promoter regions. The encoded protein may also play important roles in chromatin remodeling and pre-rRNA processing, and its activity is regulated by both phosphorylation and acetylation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3, 11 and X and the long arm of chromosome 11. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (3) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. Variants 2 and 3 encode the same isoform (b), which is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>