

## Product datasheet for **SC303351**

### UTF1 (NM\_003577) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** UTF1 (NM\_003577) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** UTF1  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Fully Sequenced ORF:** >OriGene sequence for NM\_003577 edited

```
ATGCTGCTCCGGCCCCGAGGCCCGCCCGCTCGCGCCCCCGCGCCGCCCTCGCCCGCC  
AGCCCCGACCCCGAGCCGCGGACACCCGGAGACGCCCGGGGACCCCGCCCGGAGGCC  
GCCTCGCCAGCGCGCTGGGGAACTCGGGTTGCCGGTGTCCCGGGCTCGGCGCAGCGC  
ACGCCCTGGAGCGCCCGGAGACGGAGCTGCTGCTGGGGACGCTGCTGCAACCGGCCGTG  
TGGCGCGCTGCTCCTGGACCGCCGCCAGGCCCTGCCACCTACCGCCGCGTGTGCGCC  
GCGCTGGCCAGCAGCAGGTGCGCCGACCCCCGCGCAGTGCCGCGCCGCTACAAGTTC  
CTTAAAGACAAGTTTCGCGAGGCGCACGGCCAGCCCGCCGGGCCCTTCGACGAGCAGATC  
CGGAAGCTCATGGGGTGTGGGCGACAACGGGCGCAAACGGCCTCGCCGCGCTCCCCG  
GGTCCGGGCGCCCCAGCGCGCCCGCCCGTCCCCAACGCGCACGCGCCGGTCCC  
AGCGAACAGACGCCACCCCGCTGCCACCGCCGCGACCGCGACGCGGACCCACCTGG  
ACGCTCCGCTTACGCCCGTCCCCACCGAAGTCTGCGGACGCTCCCCCGCCCGGCTCC  
CCGCCAGCTCCCGCCCGACCGCCTCGCCACCTGCATCCCCGAGGACCGCGCGCCGTC  
CGCGGCCCGGGTCCCCGCGCCACCCCGGCCCGGAAGACCCGACTCGCCGCCCCGGC  
CGCCCCGAGGACTGCGCGCCCCCTCCGGCCGCGCCCCGTCGCTGAACACCGCCCTGCTG  
CAGACCTGGGGACCTGGGCGACATCGCGAACATCCTGGGCCCGCTGCGCGACAGCTG  
CTGACCTGAACAGCACGTGGAGCAGCTGCGCGCGCCTTCGACCAGACAGTGTCCCTG  
GCCGTGGGCTTATTCTGGGCAGCGCGCCCGGAGCGAGGGTCTCAGGGACCCGTGC  
CAGTGAGTC
```



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_003577 unedited GTTTCATTTGTATACGACTCATATAGGCGGCCGCGATTCTGCTGCTCCGGCCCCGAGGC CGCCCCGCTCGCGCCCCCGCGCCGCTCGCCCGCCAGCCCCGACCCGAGCCGCGGA CACCCGGAGACGCCCCGGGGACCCCGCCCGGAGGCCGCTCGCCAGCGCGCTGGGGG AACTCGGGTTGCCGGTGTCCCGGGCTCGGCGCAGCGCACGCCCTGGAGCGCCCGGAGA CGGAGCTGCTGCTGGGGACGCTGCTGCAACCGGCCGTGTGGCGCGCTGCTCCTGGACC GCCGCCAGGCCCTGCCACCTACCGCCGCGTGTGGCCGCGCTGGCCAGCAGCAGGTGC GCCGCACCCCGCGCAGTGCCGCCGCGTACAAGTTCCCTAAAGACAAGTTTCGCGAGG CGCACGGCCAGCCGCCCGGGCCCTTCGACGAGCAGATCCGGAAGCTCATGGGGCTGCTGG GCGACAACGGGCGAAACGGCCTCGCCGCGCTCCCGGGGTCCGGGCGCCCCAGCGCG CCCGCCCGCGTCCCAACGCGCACGCGCCGCTCCAGCGAACAGACGCCACCCCGC TGCCACCGCCCGCGACCGCGACCGGACCCACCTGGACGCTCCGTTCCAGCCGTC CACCCGAGTCTGCGGACGCTCCCGCCCGGTTCCCGCCAGCTCCCGGCCGAACG CCCTTGCCACCTGGATCCCGAAGACCGCGCGCCGTTCCGGGGCCCGGTCCCGGCG CCACCCCGGGCCGGGAAGACCCGAATTGGCCGCCCGGCCGCCAG
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_003577
<b>Insert Size:</b>	1000 bp
<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.  The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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_003577.2</a> , <a href="#">NP_003568.2</a>

<b>RefSeq Size:</b>	1157 bp
<b>RefSeq ORF:</b>	1026 bp
<b>Locus ID:</b>	8433
<b>UniProt ID:</b>	<u><a href="#">Q5T230</a></u>
<b>Cytogenetics:</b>	10q26.3
<b>Protein Families:</b>	Embryonic stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transcription Factors
<b>Gene Summary:</b>	The protein encoded by this gene is a leucine zipper-containing transcriptional coactivator that may link the upstream activator ATF2 with the basal transcription complex. The encoded protein is closely associated with chromatin and is required for the proper differentiation of embryonic carcinoma and embryonic stem cells. Found nearly exclusively in pluripotent cells, this protein can also serve as a transcriptional repressor. [provided by RefSeq, Nov 2015]