

Product datasheet for **SC305056**

TUT1 (NM_022830) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUT1 (NM_022830) Human Untagged Clone
Tag:	Tag Free
Symbol:	TUT1
Synonyms:	PAPD2; RBM21; STARPAP; TENT1; TUTase; URLC6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305056 representing NM_022830.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
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TGGTGGCAGAGGTGCTTGTGTTTTGTGCGGTACAGGAGATCGCTATGGCGCGGTGGATTCCGGATGTC
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GATGCCCACTTGGGAGGCAGAAAGCACCGGCACCTGGTAAAGTACGAGCTGCGAGAAAGGCCAGGGA
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CATTTCTACAGGTTTTCTCCCTCAAGCAATTCGACATCTCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI
ACCN: NM_022830
Insert Size: 2739 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).
OTI Annotation:	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.
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:	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_022830.2</u>
RefSeq Size:	2844 bp
RefSeq ORF:	2739 bp
Locus ID:	64852
UniProt ID:	<u>Q9H6E5</u>
Cytogenetics:	11q12.3
MW:	98.4 kDa
Gene Summary:	This gene encodes a nucleotidyl transferase that functions as both a terminal uridylyltransferase and a nuclear poly(A) polymerase. The encoded enzyme specifically adds and removes nucleotides from the 3' end of small nuclear RNAs and select mRNAs and may function in controlling gene expression and cell proliferation.[provided by RefSeq, Apr 2009] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to start at a downstream in-frame start codon that is supported by transcript and conservation data.