

Product datasheet for **SC117872**

TTF2 (NM_003594) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTF2 (NM_003594) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTF2
Synonyms:	F2; HuF2; ZGRF6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117872 sequence for NM_003594 edited (data generated by NextGen Sequencing)

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ATGGAAGAAGTTAGGTGTCCAGAGCACGGGACTTTCTGCTTTCTTAAGACCGGCGTCCG
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GGCATCTAA

Clone variation with respect to NM_003594.3
108 g=>t;499 a=>g;861 c=>t

5' Read Nucleotide
Sequence:

>OriGene 5' read for NM_003594 unedited
GCCGCGAATTCGGCAGGAGGCGAAATGGAAGAAGTTAGGTGTCCAGAGCACGGGACTTT
CTGCTTTCTTAAGACCGCGTCCGCGATGGCCCGAATAAAGGAAAGAGCTTCTACGTGTG
CCGGGCAGACACTTGCAGCTTCGTGCGGGCCACCGACATTCTGTTTCCCATTTGCTTATT
GCATGAGGACTTTGTGGTAGAGCTTCAGGGTTTGTCTGCCACAGGACAAGAAAGAATA
CAGATTGTTCTTCCGATGCATTAGAAGTAAGGCAGAGGGGAAACGCTGGTGTGGAAGTAT
TCCATGGCAGGATCCTGATTCCAAAGAACATTCTGTATCCAATAAGTCTCAGCATGCATC
TGAGACATTTTCATATTCTTCCAACTGGCTGAGAAATCCATTCAAGGTAATTGACAAGAA
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AATGATGGAGAAAGACCTCTCATCTGGCCTGGTACCAAAGAAAAACAATCTGTAGTTCA
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CAAAAGAGACTTTTCTGAAATTAATCTCAACAGTGCCAAGGTAAAGAGNCTTACAGACC
ATCTGCATCTTCTAGGAGAAATCAAG

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003594 unedited <pre> CTATGTACGCGGCCGAATCTAAGATCGATTTTTTTTTTTTTTTTTTTTGGAGAAGGTCTCAC TGTTTGCCCGAGCTGGAAAACAGTGGCACAATCACAGCTCACTGCAGCCTCAACCTCCTG GACTCAAGGGATCCTCCTGCCTCAGCCTCCCAAGTAAGTACTAGGACTACAGGTGTGCACTAC CACGCCTAGCTCATTTTTTTTATTTCTTCATAGAGATGGGGTCTTACTATGTTGCCAGGCT GGTCTTGAAGTACTGGCTTCGAGCCATCCTCCTGCCTTGGCCTCCCAAAGTGTCTGGATT ACAGGCTTGAGCCACCACACCTGGCCCGCTTTTAGAACTTTACTGAGACTTATATACCAT TCTGACAGAGTTGTTTTCCAAAATCATCCAACCTCTAAAACAAATTGTTTCGTCTGAGAAA AGCGGGTGGGGTCCATACCAAGTGGGTGAATAAAATTATTGGCAGGAGCTGGTAAGCAGGT GGTTGACGCCGCCCGCCTCATGTCTGGGGGAAGCAGAAGGCCTCACATACCGATAGGTT AAGCGCTTTAAGGTAACAGTAAGATACCGCGGACGAACTCATAGCTACAGTAAAGTGC GG TTCCCCCTACTAATCGTCCGCGGATGGGGCGGTAGACGCTAGAGCGCCGAGTGAGACCG GATGAGGAGCGACACCAACGCTGGGGAACGGCGGGGGCGAGTCAGCGAAAGGAGGAAGC GATGGGCGGCCGAGCGGAGAGTGCGGCACACGAACAATTTTCAAGGTGCACCGCGGCCTA GCACTAGAGCATGCCCTAAAAAGAGTTAGAGACGTGAGGAGAAAGGATGAGAGAGAGGA AGTGACGAGAACGGGTGATGAGGGTGCGAAGAGGAGATCCATGGAAGGAACGGTCAAGA AAGCGGGGAAAGGTAGGGG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003594
Insert Size:	4700 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:	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_003594.3</u> , <u>NP_003585.3</u>
RefSeq Size:	4860 bp
RefSeq ORF:	3489 bp
Locus ID:	8458
UniProt ID:	<u>Q9UNY4</u>
Cytogenetics:	1p13.1
Domains:	SNF2_N, DEAD, helicase_C
Protein Families:	Transcription Factors

Gene Summary:

This gene encodes a member of the SWI2/SNF2 family of proteins, which play a critical role in altering protein-DNA interactions. The encoded protein has been shown to have dsDNA-dependent ATPase activity and RNA polymerase II termination activity. This protein interacts with cell division cycle 5-like, associates with human splicing complexes, and plays a role in pre-mRNA splicing. [provided by RefSeq, Jul 2008]