

Product datasheet for **SC329802**

Transcription termination factor 1 (TTF1) (NM_001205296) Human Untagged Clone

Product data:

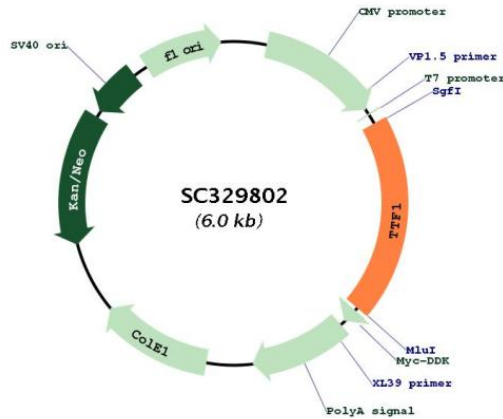
Product Type: Expression Plasmids
Product Name: Transcription termination factor 1 (TTF1) (NM_001205296) Human Untagged Clone
Tag: Tag Free
Symbol: TTF1
Synonyms: TTF-1; TTF-I
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329802 representing NM_001205296.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTACCGGGACGACTTGGAACGGTTTAAAGGAATTTAAAGCACAAAGGTGTCGCTATTAATTTGGCAAG
TTTTCTGTAAAGGAAAATAAGCAGTTAGAGAAAAATGTGGAAGACTTTCTAGCCCTGACAGGCATTGAG
AGTGCAGACAAGCTGCTGTACACGGACAGATATCCTGAGGAAAAATCTGTGATCACCAACTTAAAAAGG
AGATACTCGTTTAGATTACACATTGGTAGGAACATTGCCCGGCCCTGGAACTTATATACTATCGAGCA
AAGAAGATGTTTCGATGTCAACAATTACAAAGGCAGGTATAGCGAAGGAGATACTGAGAAGTTAAAGATG
TACCATTCTCTCCTTGGGAATGACTGGAAGACGATTGGTGAGATGGTGGCCCGAAGTAGCCTCTCCGTG
GCCCTCAAGTTCTCACAGATCAGCAGTCAAAGAAATCGTGGTGTCTGGAGTAAGTCTGAAACCCGGAAA
CTAATCAAGGCTGTGGAAGAAGTGATTCTGAAGAAGATGTCTCCCAGGAGTTAAAAGAGGTGGATTCC
AACTCCAAGAAAATCCTGAAAGTTGCCTATCAATTGTTCCGGGAAAACTCTACAAGGGCATATCTTGG
GTAGAAGTAGAAGCTAAAGTGCAAACAGAAAATGGATGCAGTGTAAAAGTAAGTGGACAGAAAATCTA
ACCAAGAGGATGACTAATGGTCGGCGTATCTACTATGGCATGAATGCCCTGCGGGCCAAGGTCAGCCTT
ATTGAAAGGTTGTATGAAATAAATGTGGAAGATACTAATGAAATAGACTGGGAAGATCTTGCTAGTGCC
ATAGGTGATGTTCCCTCCATCTTACGTTCAAACATAAATTTCTAGGCTGAAAGCTGTCTATGTTCCATTT
TGGCAGAAAAAGACTTTTCCAGAGATCATCGACTACCTTTATGAGACGACTCTACCTTTGCTGAAGGAA
AAGTTAGAAAAAATGATGGAGAAAAAAGGCACTAAAATCCAGACTCCTGCAGCACCAAGCAAGTTTTC
CCATTTTCGAGACATCTTTTATTGAAAGACGATAGTGAAGGAGAGGACATAGAAAAAGAAAGCGAAGGC
CAGGCGCCATGCATGGCTCACGCCTGTAATTCAGTACTTTGGGAGGCCAAGGCCGTGGATCATCTGA
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001205296

Insert Size: 1173 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: [NM_001205296.1](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1173 bp

Locus ID: 7270
UniProt ID: [Q15361](#)
Cytogenetics: 9q34.13
MW: 45.6 kDa

Gene Summary: This gene encodes a transcription termination factor that is localized to the nucleolus and plays a critical role in ribosomal gene transcription. The encoded protein mediates the termination of RNA polymerase I transcription by binding to Sal box terminator elements downstream of pre-rRNA coding regions. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. This gene shares the symbol/alias 'TTF1' with another gene, NK2 homeobox 1, also known as thyroid transcription factor 1, which plays a role in the regulation of thyroid-specific gene expression. [provided by RefSeq, Apr 2011]

Transcript Variant: This variant (2) lacks an exon in the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1. 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.