

Product datasheet for **SC118100**

Trefoil Factor 3 (TFF3) (NM_003226) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trefoil Factor 3 (TFF3) (NM_003226) Human Untagged Clone
Tag:	Tag Free
Symbol:	Trefoil Factor 3
Synonyms:	ITF; P1B; TFI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003226, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCGAGTCCTGAGCTGCGTCCCGGAGCCCACGGTGGTCATGGCTGCCAGAGCGCTCTGCATGCTGG  
GGCTGGTCTGGCCTTGCTGTCTCCAGCTCTGCTGAGGAGTACGTGGGCCTGTCTGCAAACCAAGTGTGC  
CGTGCCAGCCAAGGACAGGGTGGACTGCGGCTACCCCATGTCAACCCCAAGGAGTGCAACAACCGGGGC  
TGCTGCTTTGACTCCAGGATCCCTGGAGTGCCTTGGTGTTCAGCCCTGCAGGAAGCAGAATGCACCT  
TCTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003226 unedited</p> <pre> NGTTCACATTAGTATACGACTCATATAGGGCGGCCGCGATTTCGGCACGAGCGGTGGTCAT GGCTGCCAGAGCGTTCTGCATGCTGGGGCTGGTCTTGGCCTTGCTGTCCTCCAGCTCTGC TGAGGAGTATGTGGGCCTGTCTGCAAACAGTGTGCCGTGCCAGCCAAGGACAGGGTGGA CTGCGGCTACCCCATGTACCCCAAGGAGTGCAACAACCGGGGCTGCTGCTTTGACTC CAGGATCCCTGGAGTGCCTTGGTGTTCAGCCCTGCAGGAAGCAGAATGCACCTTCTG AGGCACCTCCAGCTGCCCGCGCCGGGGATGCGAGGCTCGGAGCACCTTGCCCGGCTG TGATTGCTGCCAGGCACTGTTTCATCTCAGCTTTTCTGTCCTTTGCTCCCGGCAAGCGCT TCTGCTGAAAGTTCATATCTGGAGCCTGATGTCTTAACGAATAAAGTCCCATGCTCCAC CCGAGGACAGTTCCTCGTGCCTGAGAAAAAANAACAAAAAACAACAAAAAACAACAAAAA TCGACTTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCC CTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAG CCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGCCTTCTATAATA TTATGGGGTGGAGCGGGGGGATGGAACCAAGGGCTCGTTCCGCAAATAACATCTTT ATGGTCTGGAGAACACTTTGGGTTACTATCTCGTTCCGTACCCGACCCTTCCCTCCAT CACTCGCTATCCCCCTCCCTGCAACAACGAAATTTATTTGCACAGTCCCTCACATACT TTTGGTACCTCTCCTCTCAGCCACCTTCCATCTACTCCTTCTACTCCGCCACCC CG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003226 unedited</p> <pre> TTTTATGGAACGAGGCCGATTCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTCTCAGGCACAAAAACTGTCTCGGGTGGAGCATGGGACCTTTATTGTTAAA ACATCAGGCTCCAAATATGAACTTTCAGCAAAAGCGCTTGCCGGGAGCAAAGGGACAAAA AAGCTGAAATGAACAGTGCCTGGCAGCAATCACAGCCGGGCAAGGGTGCTCCGAGCTCG CATCCCCCGGCCGGGGCAGCTGGAGGGCCCTCAAAGGGGCATTCTGCTTCTGACAGGG GCTTGAACACCAAGGCACTCCAGGGATCCTGGAGTCAAAGCAGCAGCCCGGTTGTTGC ACTCCTTGGGGGTGACATGGGGGTAGCCGAGTCCACCCTGTCCTTGGCTGGCACGGCAC ACTGGTTTGCAAACAGGCCACGTACTCCTCAACAAAGCTGGAGGACAGCAAGGCCAGGA CCAGCCCCAGCATGCAAAGCGCTCTGGCAGCCATGACCACCGCTCGTGCCGAATTCCGGG CCGCCCTATAGTGAGTCGTATTACAAAAATCTGACGGTTCACTAAACGAGCTCTGCTTAT ATAGACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTATTACG ACATTTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACAACTCCATTGACGTCATGGG GTGGAGACTTGAAATCCCGTGAAGTAAACCGCTATCCACGCCATTGGTGTACTGCCA AACCGCATACCATGGGTATAGCGATGACTAATACGTAATGTAAGTCCAAGTAGGAAAGT CCCCTAAGGTCATGGTCTGGGCATATGGCCGGCCGGCCCTTACCNGATTGACGTCATTA GGGGCGGCTGGCATATAATCACTTGATGTCTGGCAAGGGCAGTTTACGAAATACTC C</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_003226
Insert Size:	480 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_003226.1](#), [NP_003217.1](#)

RefSeq Size: 1054 bp

RefSeq ORF: 225 bp

Locus ID: 7033

UniProt ID: [Q07654](#)

Cytogenetics: 21q22.3

Domains: PD

Protein Families: Secreted Protein

Gene Summary: Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer and affect healing of the epithelium. This gene is expressed in goblet cells of the intestines and colon. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]