

## Product datasheet for SC112069

### TEFM (NM\_024683) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEFM (NM_024683) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEFM
Synonyms:	C17orf42
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112069 sequence for NM_024683 edited (data generated by NextGen Sequencing)

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ATGAGCGGGTCTGTCCTTTCACGGCGGGAGAGAGGTGGAGATGCTTTCTGACCCCGTCG
AGGTCATCCCTGTACTGGCCTTACATAATTTCTGCTGTCGAAAAAATCCACTACACCT
AAGAAAATTA CTCCCAATGTTACTTTTTGTGATGAAAATGCAAAGGAGCCGAAAATGCA
CTTGACAAGCTCTTCTTTCAGAACAGCAGGCTTCCATCTTGCATGTGTTGAATACAGCA
TCTACTAAAGAACTTGAAGCTTTCCGATTGCTTCGTGGAAGAAGGTCCATCAATATCGTA
GAGCACAGAGAAAACTTTGGGCCATTTTCAGAAATTTAGAGAGTTTAAATGAATGTGCCCTTG
TTTAAGTATAAAAAGTACAGTTCAAGTTTGTAACTCCATACTTTGTCCAAAGACTGGACGG
GAAAAAAGAAAGTCACCGAAAAACCGGTTCTGAGAAAGCTCCTCAAACCAGACATAGAA
AGAGAAAGACTTAAGGCAGTTAATAGTATCATATCTATCGTTTTTGGTACTCGAAGAATT
GCCTGGGCTCACCTTGATCGTAAGTTGACAGTGCCTGGACTGGCAGCAAAGTGACCGTTGG
AGTTTAAATGAGAGGAATATACTCATCATCAGTCTATTTAGAAGAGATTTCTCGATCATT
TCAAAGATGCCTAAAGCAGATTTCTATGTTCTGGAAAAACAGGACTTTCCATTCAGAAC
TCATCTCTGTTTCCAATACTGTTACATTTTCATATCATGGAAGCCATGCTGTATGCCTTA
TTAAATAAAACTTTTGGCCAGGATGGGCAGCATCAGGTGCTGAGCATGAATCGAAATGCA
GTGGGGAAGCATTGTTGAACTGATGATTGGTGACTCCCGGACTAGTGAAAAAGAGCTAGTG
AAGCAGTTTCTCTCGATTCTATACTGAAGGCGGATCCTCGGGTGTCTTCCCATCAGAT
AAAATAGTTCACTACAGACAGATGTTTTATCTACTGAACTACAAGAGTAGAAGAGCTT
TATGATTCATTATTACAAGCTATTGCCTTCTATGAATTAGCAGTGTGACTCTCAGCCT
TAG

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Clone variation with respect to NM\_024683.3



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_024683 unedited GTGCGGGATTATGAACACGATTTACTATAGGCGGCCGCGCAATNGGCACGAGCGAAGACT GGACCTACTGATTCACCTTGGAGATGAGCGGGTCTGTCTCTTNACGGCGGGAGAGAGGT GGAGATGCTTTTCTGACCCCGCCGAGGCCATCCCTGTAAGGCTTACATAATTTCTGCT GTCGAAAAAATCCACTACACCTAAGAAAAACCTCCCAATGTTACTTTTTGTGATGAAA ATGCAAAGGAGCCGAAAAATGCACTTGACAAGCTCTTCTTTCAGAACAGCAGCCTTCCA TCTTGATGTGTGAATACAGCATCTACTAAAGAAGCTTGAAGCTTCCGATTGCTTCGCG GAAGAAGTCCATCACATATCGCAGACCCAGAGAAAACTTTGGCCATTTTCAGAATTTA GAGAGTTTAATGAATGCGCCCTTGTTTAAGTATAAAAAGTACAGTTCAAGTTTGTAACTC CATACTTTGACCAAAGACCTGGACGGGAAAAAAGAAAAGCACCCGAAAAACCGTTTCTG AGAAAGCTCCTCAAACCAGACATAGAAAGAGAAAGACTTATGGCCGCTAATACCATCATA TCTATCGTTTTTGGCACTCCGAAAACCTTGCTGGGCTCACCTTGATCGTAAGCTGACAGT GCTTGACTGGCAGCAAGTACCGCCGAGTTTAAATGAAGGAATATACCCATCCTTCGCT ATTTAGAAAAGACTCCCTCGACCATTCAAAGATGCCTAAAGCAAATTTCTATGCCTGAC AAAAACAGAACTTTCATTGAGAACCATCTCTGTTCCAACTGTACCATTTCTATCAGGAA ACCCAGCGCTGCCCTATAAACAACCTTTGCCAAGAGGGCAGCATCAGGCCGACCAGATA CAAAGCCAGGAAACCTTTCCACCGAGT
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_024683 unedited TGTGNATTGAGNGCTCGCGTCGAGAGNCGATTTAAATCTTTTTTTTTTCTCATAAAATG TTTATTGATTTGGTCTTGGCTTATTGTGTAACCATTTAATAGCCAAAAGTCAGAATTTA AACATCTAAAATACACTGAAAATGTGTTCTTTTCCAATAACATGGATGTTACAACAGTT GGTGTACGTTAGAGCTAATAATTATACCTTTAGCACGTTAACCTCAGAATTCTAAGGCTG AGAGTCAAACACTGCTAATTCATAGAAGCAATAGCTTGAATAATGAATCATAAAGCTC TTCTACTCTTTGTAGTTAGTAGATAAAAAACATCTGTCTGTAGTGAACATTTTTATCTGA TGGGAAGAACACCCGAGGATCCGCCTTCAGTATAGAATCGAAGAGAACTGCTTCACTAG CTCTTTTCCACTAGTCCGGGAGTCACCAATCATCAGTTCAAAATGCTTCCCACTGCATT TCGATTCATGCTCAGCACCTGATGCTGCCATCCTGGGCAAAAAGTTTTATTTAATAAGGC ATACAGCATGGCTTCCATGATATGAAAAATGAACAGTATTGGAACAGAGATGAGTTCTG AATGGAAGTCTGTTTTTTTTCCAGAACATAGAAATCTGCTTTACGCATTTTTGAAATGA TCGAGGAAATCTCTTCTAAATAGACTGATGATGAGTATATTCCTCTTATTAACCTNCAAC GGCCACTTTGCTGCCAGTCCAGCACTGTCAACTTACGATCAAGGTGAGCGCCTGCAATTC TCTCAGTCCCATCCACATTTACCCGATACCATTACACTGCCGTAAGTCTTTCTCTTTCT ATGGCCGNTTGAAGAGCCTTCTCCGAACCGCTTCCGGAGACCTTCTCTTTTCTGC CCAGCCTTGGGACACCGTTGGACCGACCCACTCGCCCGTCTCTTATCTTACACAGGCCA TTTTTTACCTCTCTATCCACCGCCCACTTTCTTCCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024683
<b>Insert Size:</b>	477 bp
<b>OTI Disclaimer:</b>	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).
<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).

**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\\_024683.1](#), [NP\\_078959.1](#)

**RefSeq Size:** 1278 bp

**RefSeq ORF:** 477 bp

**Locus ID:** 79736

**UniProt ID:** [Q96QE5](#)

**Cytogenetics:** 17q11.2

**Gene Summary:** Transcription elongation factor which increases mitochondrial RNA polymerase processivity. Regulates transcription of the mitochondrial genome, including genes important for the oxidative phosphorylation machinery.[UniProtKB/Swiss-Prot Function]