

## Product datasheet for **SC111212**

### TMEFF2 (NM\_016192) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEFF2 (NM_016192) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEFF2
Synonyms:	CT120.2; HPP1; TENB2; TPEF; TR; TR-2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016192, the custom clone sequence may differ by one or more nucleotides

```
ATGGTGCTGTGGGAGTCCCCGCGGCAGTGCAGCAGCTGGACACTTTGCGAGGGCTTTTGCTGGCTGCTGC
TGCTGCCCGTCATGCTACTCATCGTAGCCCGCCCGGTGAAGCTCGCTGCTTCCCTACCTCCTTAAGTGA
CTGCCAAACGCCACCGGCTGGAATTGCTCTGGTTATGATGACAGAGAAAATGATCTCTTCTCTGTGAC
ACCAACACCTGTAATTTGATGGGGAATGTTTAAGAATTGGAGACACTGTGACTTGGCTGTGTCAGTTCA
AGTGCAACAATGACTATGTGCCTGTGTGGCTCCAATGGGGAGAGCTACCAGAATGAGTGTACCTGCC
ACAGGCTGCATGCAAACAGCAGAGTGAGATACTGTGGTGTGAGAAGGATCATGTGCCACAGATGCAGGA
TCAGGATCTGGAGATGGAGTCCATGAAGGCTCTGGAGAACTAGTCAAAAGGAGACATCCACCTGTGATA
TTTGCCAGTTTGGTGCAGAAATGTGACGAAGATGCCGAGGATGTCTGGTGTGTGTAATATTGACTGTTC
TCAAACCAACTTCAATCCCCTCTGCGCTTCTGATGGGAAATCTTATGATAATGCATGCCAAATCAAAGAA
GCATCGTGTGAGAAACAGGAGAAAATTGAAGTCATGTCTTTGGGTCGATGTCAAGATAACACAACACTACAA
CTACTAAGTCTGAAGATGGGCATTATGCAAGAACAGATTATGCAGAGAATGCTAACAAAATTAAGAAGAAA
TGCCAGAGAACACCACATACCTTGTCCGGAACATTACAATGGCTTCTGCATGCATGGGAAGTGTGAGCAT
TCTATCAATATGCAGGAGCCATCTGCAGGTGTGATGCTGGTTACTGGACAACACTGTGAAAAAAGG
ACTACAGTGTCTATACGTTGTTCCCGGTCCTGTACGATTTTCAGTATGTCTTAATCGCAGCTGTGATTGG
AACAAATTCAGATTGCTGTGATCTGTGTGGTGGTCTCTGCATCACAAGGAAATGCCCCAGAGCAACAGA
ATTCACAGACAGAAGCAAATACAGGGCACTACAGTTCAGACAATACAACAAGAGCGTCCACGAGGTTAA
TCTAA
```



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**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_016192 unedited
GGCAGAATTTTGTAAACGACTCACTATAGGGCGGCCCGGAATTCGCACGAGGGGCTGC
CGGGCTGCGGGGCGCCTTGACTCTCCCTCCACCCTGCCTCCTCGGGCTCCACTCGTCTGC
CCCTGGACTCCCGTCTCCTCCTGTCTCCCGCTTCCCAGAGCTCCCTCCTATGGCAGCA
GTTCCCGCGTCTCCGGCGCAGCTTCTCAGCGGACGACCCTCTCGCTCCGGGGCTGAGCC
CAGTCCCTGGATGTTGCTGAAACTCTCGAGATCATGCGCGGGTTTGCTGCTGCTTCCCC
GCCGGTGCCACTGCCACCGCCGCGCCTCTGCTGCCCGCTCCGCGGGATGCTCAGTAG
CCCCTGCCCGCCCCCGCATCTGTGTTCTCGGAAGCCGTTTGCTGCTGCAGAGTTG
CACGAACTAGTCATGGTCTGTGGGAGTCCCCGCGCAGTGCAGCAGCTGGACACTTTGC
GAGGGCTTTTGTGGTCTGCTGCTGCCCGTCATGCTACTCATCGTAGCCCCGCCGGTG
AAGCTCGTGCTTTCCCTACCTCCTTAAGTGACTGCCAAACGCCACCGCTGGAATTGC
TCTGGTTATGATGACAGAGAAAATGATCTTCTCCTGTGACACCAACACCTGTAATTT
GATGGGAATGTTAAGAATTGGAGACTGTGACTTGCCTGTGCTGAGTCAAGTGACACA
ATGACTATGTGCCCTGTGTGGCTCCATGGNGAGAGCTACCAGATGAGTNTACCTGCG
ACAGGCTGCATGCNAACAGCAGAGTGAGATACTTNGTGGTGTGAGAAGGNATCATGTGCC
ACAGTCCATGAAGCTCTGNAGNAACTAGTCAAAGGAGACATNCACCTGTGATATTTGCC
AGTTNGGTGCAAATGTGACGAAATGCCGAGATGNCTGGNTGTGTGTGATAA
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_016192 unedited
NNTTTAGCTATGGACCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTGGG
ATATAAATAGTTTATTTACATTACAGAAAAACATCAAGACAATGTATACTATTTCAA
TATATCCATACATAATCAAATATAGCTGTAGTACATGTTTTTATTGGTGTAGATTACCAC
AAATGCAAGGCAACATGTGTAGATCTTGTCTTATTCTTTTGTCTATAAATACTGTATTG
GGTAGTCCAAGCTCTCGGTAGTCCAGCCACTGTGAAACATGCTCCCTTTAGATTACCTC
GTGGACGCTCTTGTGTATTGTCTGAACTGTAGTGCCTGTATTTTGTCTGTCTGTGA
ATTCTGTTGCTTCTGGGCATTTCTTGTGATGCAGAGGACCACCACAGATGACAGCA
ATCTGAATTGTTCCAATCACAGCTGCGATTAAGACATACTGAAATCGTACAGGACCGGGA
ACAACGTATAGAACAAGTGTAGTCTTTTTTTTACAGTGTGTCCAGTATAACCAGCATCA
CACCTGCAAGATGGCTCCTGCATATTGATAGAATGCTCACACTCCCATGCATGCAGAAG
CCATTGTAATGTTTCCGACAAGGTATGTGGNNTGTCTCTGGCACTTTCTTCTAATTTGNT
AGCATTCTGCATAATCTGTTCTTGCATAATGCCCATCCTCAGACTTTAGTAGTGNAGN
TGNNGTATCTTGACATCGACCCAAGAAGTACTTCAATTTTCTCCTGGTTCTGACCCATGC
TTCTTTGATTTGCATGCATATCATAAGATTTCCATCAAANCCANAGGGGATGAAANTTG
TTTGAAACAGTCAATTACCACACCCAGAACTTCTTGAATCTTTGTAATTTCTGCACAAA
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016192

**Insert Size:**

1680 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_016192.2](#), [NP\\_057276.2](#)

**RefSeq Size:** 1814 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 23671

**UniProt ID:** [Q9UIK5](#)

**Cytogenetics:** 2q32.3

**Domains:** kazal

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a member of the tomoregulin family of transmembrane proteins. This protein has been shown to function as both an oncogene and a tumor suppressor depending on the cellular context and may regulate prostate cancer cell invasion. Multiple soluble forms of this protein have been identified that arise from both an alternative splice variant and ectodomain shedding. Additionally, this gene has been found to be hypermethylated in multiple cancer types. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Transcript Variant: This variant (1) encodes the longest isoform (1).