

Specifications:

Gene:	<i>hTMEFF2</i>
Accession:	NP_057276.2
Insert size:	1138bp
Concentration:	10µg at 0.2µg/µL

hTMEFF2 cDNA Plasmid

**TMEFF2 transmembrane protein
with EGF like and two follistatin
like domains 2 [*Homo sapiens*
(human)]**

Also known as: TR; HPP1; TPEF;
TR-2; TENB2; CT120.2

Summary:

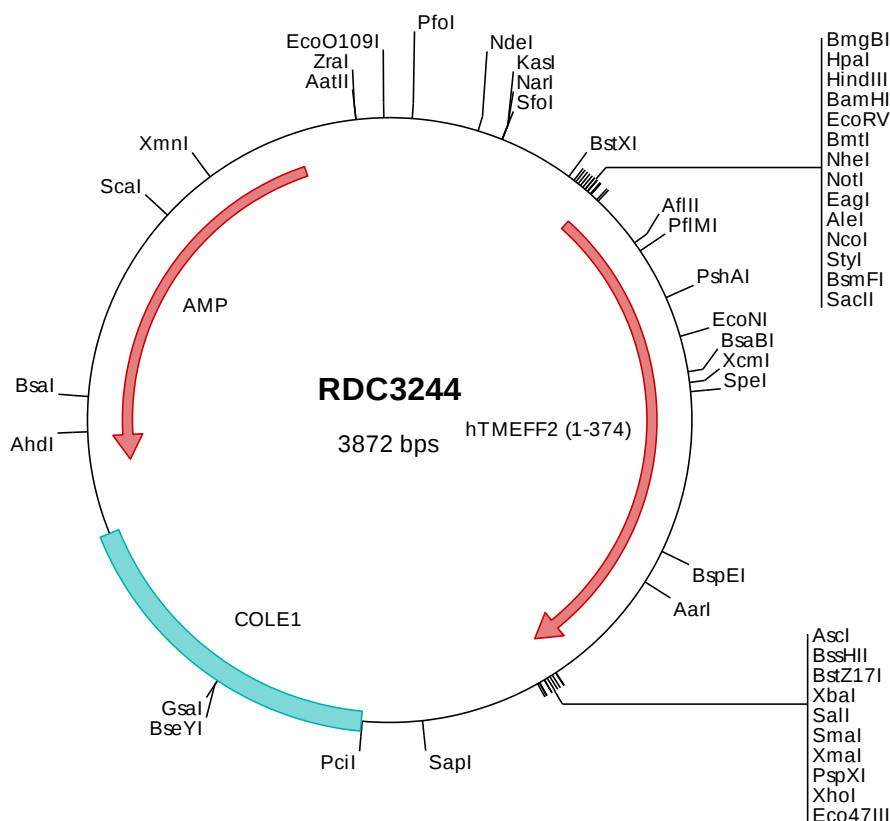
TMEFF2 is a member of the tomoregulin family of transmembrane proteins. It has been shown to function as both an oncogene and a tumor suppressor depending on the cellular context and may regulate prostate cancer cell invasion. TMEFF2 has been found to be hypermethylated in multiple cancer types. Alternatively spliced transcripts encoding different proteins have been described.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3244 Plasmid DNA Sequence

```

1   tcgcgcgctt cggatgatgac ggtgaaaaac tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggatgtgtcg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcaccc atggtgtgtg gggagtcccc gcggcagtcg agcagctgga cactttgcga
501  gggcttttgc tggctgtctg tctgtccctg catgtacttc atcgtagccc gcccggtgaa gctcgtctct tccccacct ccttaagtga ctgccaaacg
601  cccacgggct ggaattgtct tggttatgat gacagagaaa atgatctctt cctctgtgac accaacacct gtaaatattga tggggaatgt ttaagaattg
701  gagacactgt gacttgcgtc tgtcagttca agtgcaacaa tgactatgtg cctgtgtgtg gctccaatgg ggagagctac cagaatgagt gttacotgcg
801  acaggctgca tgcacaacgc agagtggagt acttgtgtgt tcagaaggat catgtgccac agatgcagga tcaggatctg gagatggagt ccatgaaggc
901  tctggagaaa ctagtcaaaa ggagacatcc acctgtgata tttgccagtt tgggtgcagaa tgtgacgaag atgccagga tgtotggtgt gtgtgtaata
1001 ttgactgttc tcaaaccaac tctcgccttc tgatgggaaa tcttatgata atgcatgcc aatcaaaaga gcacgtgtgc agaaacagga
1101 gaaaattgaa gtcatgtctt tgggtcgatg tcaagataac acaactacaa ctactaagtc tgaagatggg cattatgcaa gaacagatta tgcagagaa
1201 gctaaacaaat tagaagaaag tggcagagaa caaccacata cttgtccgga acattacaat ggctttgtca tgcattggaa gtgtgagcat tctatcaata
1301 tgcaggagcc atcttgcagg tttgtgtgat acacacactgt gaaaaaaagg gaaatacagt actacagttt gttccccggtc ctgtacgatt
1401 tcagtatgtc ttaatcgtag ctgtgattgg aacaattcag attgctgtca tctgtgtggt ggctcctctgc atcaacaagg aatgccccag aagcaacaga
1501 attcacagac agaagcaaaa tacaggggcac tacagttcac acaatacaac aagagcgtcc acgaggttaa tctaaaggcg cgccagttata
1601 gacacccggg gaattcctcg agcgtctgtc tctagcttgg cgtaatcatg gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca
1701 acatacagagc cggaagcata aagtgtaaag cctgggggtgc ctaatgagtg agctaactca cattaattgc gttgcgtctc ctgcccgttt tccagtgcgg
1801 aaacctgtcg tgcagctgac ctaaatgaat cggccaacgc gcggggagag gcggttttgc tattgggcgc tcttcgctct cctgcgtcac
1901 cgctcggctcg ttcggctgcg atcagcggta tcagctcact caaaggcggt tttttccata ggctccgccc cctgacgag catcacaaaa atcgacgctc
2001 caaaaggcca gcaaaaggcc aggaaccgta aaaaaggcgc gttgtctggc caggcgtttc cccctggaag cctcctctgt tccgacctgc gccgcttacc
2101 gaatcagagg tggcgaaaac cgacggact ataaagatac agcgttggcg tttctcaatg ctcacgctgt aggtatctca gttcgggtga ggtcgttcgc
2201 ggataacctgt cgcctcttct ccttccggga accgttggcg cttatccggt aactatcgct ttgagttcaa cccgtaaga cacgacttat cgcactggc
2301 gctgtgtgca cgaacccccc gttcagcccc accgctggcg cttatccggt aactatcgct ttgagttcaa cccgtaaga cacgacttat cgcactggc
2401 agcagccact ggtaacagga ttacgagagc gagggtatga cagagtctct cagagtctct tccggcaaac tgactactag aaggacagta
2501 tttggtatct gcgctgtgct gaagccagtt accttcggaa aaagagttgg tagctcttga tagctcttga tccggcaaac tgactactag aaggacagta
2601 tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatctt ttgactcttt ctacggggtc tgacgctcag tggaaacgaa atcacagtta
2701 agggattttg gtcattgagt tatcaaaaag gatcttcacc tagatccttt taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaa
2801 tggtctgaca gttaccaatg ctttaactcagt gaggcacctc tctcagcgat ctgtctattt cgttcatcca tagttgctg actccccgtc gtgtagataa
2901 ctacgatacg ggagggttta ccatctggcc ccagtgtgct aatgataccg cgcagaccac gctcaccggc tccagattta tcagcaataa accagccagc
3001 cggaagggcc gagcgagaa gttggtcctgc aactttatcc gccctcatcc agtctattaa ttggtgccgg gaagctagag taagttagtt gccagtta
3101 agttttgcga acgttgttgc cattgtctaca ggcacgtgtg tgtcacgctc gtcgttttgt atggcttcat tcagctccgg tccccacga tcaaggcgag
3201 ttacatgatc ccccatgttg tgcaaaaaag cggtttagtc cttcggtcct cgtgtactgg tcagaaagta gttggccgca gtgttatcac tcatggttat
3301 ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg
3401 cgaccgagtt gctcttggcc ggcgtcaata cgggataata ccgcgcaca tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa
3501 aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaaccact cgtgcaccca actgatcttc agcatctttt actttcacca cgttttctgg
3601 gtgagcaaaa acaggaaggc aaaaagggga aaaaagggga ataaggcgca caccgaaatg ttgaatacto atactcttcc tttttcaata ttattgaagc
3701 atztatcagg gttattgtct catgagcgga tacatatatt aatgtattta gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac
3801 ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg cgtatcacga ggccctttcg tc

```

> RDC3244 Translated Insert Sequence

```

1   mvlwesprqc sswtlcegfc wllllpvmll ivarpvklaa fptsldscqt ptgwncsgyd drendlflcd tntckfdgec lrigdtvtov cqfkcnddyv
101  pvcgsngesy qnecylrqaa ckqqsailvv segscatdag sgsdgdvheg sgetsqkets tcdicqfgae cdedaedvwc vcnidcsqtn fnplcasdgg
201  sydnacqike ascqkqkie vmslgrcqdn tttttksedg hyartdyen ankleesare hhipcpehyn gfcmhgkceh sinmqepscr cdagytgqhc
301  ekkdysvlyv vpgpvrfqyv liaavigtig iavicvvvlc itrkcpnsr ihrqkntgh yssdnttras trli

```