

Product datasheet for **SC123743**

TPCN1 (BC007419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TPCN1 (BC007419) Human Untagged Clone
Tag:	Tag Free
Symbol:	TPCN1
Synonyms:	TPC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for BC007419 edited
GGCACGAGGCTCTGTACCTGGGCTGGAGTCCAGTGGCGTGATCATAGCTCACTGTAGCC
TCCAACCCCTGGGCTCAAGTGATCCTCCCCACTCAGCCTACCCAAGCAGCTGGAATAACA
GGAGTGGTATGAGGAGCATGCCAGGGAGCAAGAGCAGCAGCGACAACCTCAGCAGCAGTGC
AGCCCCCGCCGCCAGCAGCCCCAGGCAGCCGCCAGCGCTCCCAGACCGTTACCTAGCC
CAGCGCCCCGAAAGCCGTCTCTTCTATGCAATAACACAATAGTATTACTCTACTGCGATGT
ACGGAATGCGGTGTGTGTACACATACTCAGTATATGCACATATTTATATACAGGAAGA
AAAAAGACAGACAAGATGGGGCTTGGTTTATAACCACCTTGCCCTGTCTTCTTAACTCC
AGAAGCCAGTTTGGTGAGGGGTGGGGTGCAGCCACCAGGTCTGAGCTCTTCTACTGTG
GAAGGCTCCAGAAGGCCCTTACAAGGAGACCCCTCACCTGGATCCAGTCGACTGCGGGG
CTTGCCCTCATGTGGGCTGGCCTCCATCGGCCACGTCCAAAGCTGTCACTGCTACTGCT
TCAGGCTCACATCCCCCGACCTGATGGCGTGCCCGCCCTCTCCCTGCGGCCATGCC
ACAGGTTTCTGTGTTTTGCTTATAGGACAGAACCACTTAGGAAGGAAAGAACTCCCGGTC
TCCAGGGTGGTATTTTCAAGTGTCTGTGATAATGTCACGCAACACCTCTTCCGGGACCAGTG
CCCAGGATCTAATGGAAGCGAATTGGGGCAACTGGGCCATGTGGCCAGAGCTCAGTTA
GCCAGTGCCGGGCGGCCACAGATTACACTGACCAATCTCCTCCCTTGGCTCTGCAAGCCT
CCCACCCAGCCTTCTCTGGCTTAACTTGTGGCGAAAACCTTCCACAGTGGCCTCCT
TGGGGACCCAGAACCCGGAGGAAGGGGCATGAGGCAGGAAGTGGGGCCGATGTCTGCAAC
CCAGACCACTTCGTGGAATGGGCTCTTGACCAAATCCCTTTTTTTCGATTTACCCGTTT
AAGCAAAACAACGTTTTGGTTAACTAAGGATTGTGCTAAAGCCGATACCAGTCTTCCAC
ACGTGTGCACTAGGAACAGGAGCGAACAGCACAGAGAGACGCTCCCTGTGGGACGCAGCA
GCCCGTGGCCCCGGCCAGTTCACAGCCACCTCCCTGGCTCTGCTCACACCAGAGATT
TCCATAGCAGGAGCGGTTGGTGCAAGAAGTGGTTTCAAGTGAACCTCAGTTAACGTCCGCA
CCCTCCTCCACCATGGTACCCTGTAGGAGCCCTGTATGACATCTGAGCGTGGTGGAGG
TAGGAGGGTTGCCAGCTGCAAGTACCCTGCCACAGAGGCAGGGTCAAGTGCAGAGGTGCT
TTGGTTCCGCTTCCCTGGGCCACAGAACGGAACACAGCATAGGTTCTGCAGCAGGAGCCG
CAGTGGCAGGATGGAGGGTGCAGAGGGCAAGGAGTGCAGTGTGGGCATTCTGGCCAGC
CCCGGCCCTCTGGTGCCTGCTTCTGTGACTTCCAGAGGCAGGTGGACAGAGCCTCCCTC
TGGCCTTGTCTTCTCCAGCCACAGAACGGCAGGGTGGCACCCGACCCAGGGGAGCA
GTACCTGGTCCCCACCCCTCCTCCCAACCACCTCCAAGGCCAAGCTGGGTCCCATAGC
CAGCACGGCATGGTTCTCCCTTCCCCCTTCCAGGTCAGGGGAGTTGGACAAGTAGCA
GGTGTGTTTTTAAAGCACAGCCCTTTGGGAAAGCAACACATTATTGAGACTCACTGTG
ATTCACCCCGGGAGTCAGACTGGCTTTGTCTTCTCTCTCTGAGGGCCATGGGCCATCA
GCAGGAGCTCCACATCGAGCCCCAGGCCAGAACCCCTCCCTTTCACAGAGAGGGAACCTT
TATTGCACAATTGGGTGCCTTTTAGCTTTTGTGTGTTGAAATGGGCGTTTTGGAAGCAAG
GGTCAGGGGACAGCTTCTAAAGGTGTGAGTCTCTGACCTGAGCATCTGGGCTCGCTGG
GCCCTTCTTCTCCAGGGGTGAAACGTGGAGGGGCCAGCAGCACCCCGGGGTCTGCC
CAGGGGAGTCAAGGCCCCGAGGTGGGGGGCCTATTCCAGGAGGAGTGGGATCTCGGCC
TGTCCAGAGCGAGTTAATGTGTCCATCTGCCAACCCCTGTCTGAGAAAGGACCTGGTTT
TGGCCAGGACCTGACAAATACCAATGGCAGCAGTGTCAACAGACGGGAGTCCAGCCAGG
GTGGGTGCCCTTGTATTGAGGTTAGGGACAGCTATCCCCAGGTTATGCCTGGCCCCACC
CAGCAGGGAGTTGGGTCCCCCACAGGCTGTGAGCTCTGTGGCCCTGGGATGTGATCT
AGCTCAGATGCCCTCTCATCCTTGATGTCATAGTTGAGTGCACCAAGTGGCACCCACTG
GCGGCCAGGGGCACAGCCTGGTGGTGGTGGCAATAGAAGTGTGCCCTCCTCAGCTCCTC
GCTTCCCTCCCACAGCCCCAGCCTTACTCCACCATGCGGACAATCATTTGTACGGATC
ACGGGAGCAATGTGTACGGTTTTGTACTGTGGTTTTGTTTCTAGAAAACCCATTGT
GTCTCTGGATTTCTAGCACATTACTAAAAGAGCCTCTGCTTTGAAAAAAAAAAAAAAAAA
AAAAAAAAAA
```

5' Read Nucleotide Sequence:	>OriGene 5' read for BC007419 unedited AGTTAGGATTTGTAACGACTTATATAGGCGGCCGNAATTCGCACGAGGCTCTGTCAC CTGGGCTGGAGTCCAGTGGCGTGATCATAGCTCACTGTAGCCTCCAACCCCTGGGCTCAA GTGATCTCCCACTCAGCCTACCCAAGCAGCTGGAACACAGGAGTGGTATGAGGAGCA TGCCAGGGAGCAAGAGCAGCAGCACAACCTCAGCAGCAGTGCAGCCCCGCCGCCAGCA GCCCCAGGCAGCCGCCAGCGCTCCAGACCGTTACCTAGCCCAGCGCCGAAAGCCGTC TCTTCTATGCAATAACACAATAGTATTACTCTACTGCGATGTACGGAACCTGCGGTGTGTG TACACATACTCAGTATATGCACATATTTATATACAGGAAGAAAAAGACAGACAAGATG GGGCTTGGTTTATAAACCACCTTGCCCTGTCTTCTTAACTCCAGAAGCCAGTTTGGTGAG GGGTGGGGTGGCGCCACCAGGTCTGAGCTTCTCTACTGTGGAAGGCTCCAGAAAGCCC TTCACAAGGAGACCCCTCACCTGGATCCAGTCGACTGCGGNGCTTGCCCTCATGTGGC TGGCTCCATCGGCCACGTCAAAGCTGTCACTGCTACTGCTTCAGGCTCACATCCCCC GACCTGATGGCGTGCCCGCCCCCTCCTGCGGCCATGCCACAGGTTTCTGTGTTTTT GCTTAGGGACAGAACCCTTANGAAGGAAAGAACTCCCGTCTCCAGGTTGATTTTCAG TGCTGTGGATATGTACGCAACACCTTCCGGGGACAGTGCCAGNATCTAATGGAAG CGGAATTGGGGCACTGGGCCATGTGCCAGAGCTATTTACCAGTGCCGCGGCCAGAT AACTGACAATCTC
Restriction Sites:	Please inquire
ACCN:	BC007419
Insert Size:	2771 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:	<ol style="list-style-type: none">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:	BC007419.1 , AAH07419.1
RefSeq Size:	2771 bp
Locus ID:	53373
Cytogenetics:	12q24.13
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	Voltage-gated Ca(2+) and Na+ channels have 4 homologous domains, each containing 6 transmembrane segments, S1 to S6. TPCN1 is similar to these channels, but it has only 2 domains containing S1 to S6 (Ishibashi et al., 2000 [PubMed 10753632]).[supplied by OMIM, Mar 2008]