

Product datasheet for **SC326287**

TRPC3 (NM_001130698) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TRPC3 (NM_001130698) Human Untagged Clone
Tag: Tag Free
Symbol: TRPC3
Synonyms: SCA41; TRP3
Mammalian Cell Selection: None
Vector: [pCMV6-XL4](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001130698 edited
GGAAAATTAACAAGCCAGTGGATTTCCCTTTCCCTTCCCTTAGGAACTTGTTCGTAGA
TGCAAAAAGGGCCCTAGATCCTCTGGAAGAGAAAGAGAGTGGGGAGGGGAAGTTTCTCTT
TCTTTACTCCCCACCTGGGTCTGTCTGATTTCCCTCTCCAGCTCTGTCTGATAAGGAATT
GATTCTCCCCCTTCTCTTCCCCCTCCCGCCTCCCTCTCCTTCTCCCTGAGTAACGATGC
TGTCTAGCAAGTGTCTGTGCGAGACAGGAGACGGGCGCCGAGGAGGCATCGCCGCCG
CCGCGGGGCTGGAGAGCCTCTCCAGCACCAGAGCCCCGCTCGGCCCGGGCTTCTCGT
CGCAGCCACGGCCGCGCAGCTGCTCCACGGTTTGTGGTGGGCGGGCAGCTCGGCT
TCGGCGCTAGCCTCTAACTGCTGGATCGCGGGCCGCGACGCTCTCCGCTCCTGCCTTCC
GCCCTGGGCCGCCGGGGCCCCGAAGCCGCGGGAGGTGGTGAAGGGCGCCGCGGAAG
ACTGCACTGCCGGAAGGCGGAGGAGCCGGCAGCCGGCACCCCCACACTCGGACCGCAG
CCGGCGCGATGTCCACCAAGGTCAGGAAGTGCAAGAACAAGCAAGGGTGACCTTCCCGG
CGCCGGAGGAGGAAGACGAGGGCGAGGACGAGGGCGCGGAGCCGAGCGCCGCCCGCC
GGGGTTGGAGGGGCGTCAACGGGGGGCTGGAGCCGCGCTCGGCGCCCTCGCAGCGGGAGC
CGCACGGCTACTGCCCGCCGCCCTTCTCCACGGGCCGGACCTGTCCATGGAGGGGAAGCC
CATCCCTGAGACGCATGACAGTGTGCGGGAGAAGGGCCGGCGCCAGGCTGTGAGGGGCC
CGGCCTTCAATGTTCAATGACCGCGGCACCAGCCTACCGCCGAGGAGGAGCGCTTCTCG
ACGCCCGGAGTACGGCAACATCCCAGTGGTGCGAAGATGCTGGAGGAGTCCAAGACGC
TGAACGTCAACTGCGTGGACTACATGGGCCAGAACGCGCTGCAAGTGGCTGTGGGCAACG
AGCACCTGGAGGTGACCGAGCTGCTGCTCAAGAAGGAGAACCTGGCGCGCATTGGCGAGC
CCCTGCTGCTCGCCATCAGCAAGGGCTACGTGCGCATCGTAGAGGCCATCCTCAACCACC
CTGGCTTCGCGGCCAGCAAGCGTCTCACTCTGAGCCCCTGTGAGCAGGAGCTGCAGGACG
ACGACTTCTACGTTACGACGAGGACGGCACGCGCTTCTCGCCGGACATCACCCCATCA
TCCTGGCGGCGCACTGCCAGAAATACGAAGTGGTGACATGCTGCTGATGAAGGGTGCCA
GGATCGAGCGGCCGACGACTATTTCTGCAAGTGGGGGACTGCATGGAGAAGCAGAGGC
ACGACTCCTTACGCCACTCAGCTCGAGGATCAATGCCTACAAGGGGCTGGCCAGCCCGG
CTTACCTCTCATTGTCCAGCGAGGACCCGGTGCTTACGGCCCTAGAGCTCAGCAACGAGC



[View online »](#)

TGGCCAAGCTGGCCAACATAGAGAAGGAGTTCAAGAATGACTATCGGAAGCTCTCCATGC
 AATGCAAAGACTTTGTAGTGGGTGTGCTGGATCTCTGCCGAGACTCAGAAGAGGTAGAAG
 CCATTCTGAATGGAGATCTGGAATCAGCAGAGCCTCTGGAGGTACACAGGCACAAAGCTT
 CATTAAGTCGTGTCAAACTTGCCATTAAGTATGAAGTCAAAAAGTTTGTGGCTCATCCCA
 ACTGCCAGCAGCAGCTCTTGACGATCTGGTATGAGAACCTCTCAGGCCTAAGGGAGCAGA
 CCATAGCTATCAAGTGTCTCGTTGTGCTGGTCTGGCCCTGGGCCTTCCATTCTGGCCA
 TTGGCTACTGGATCGCACCTTGACAGCAGGCTGGGAAAAATTCTGCGAAGCCCTTTTATGA
 AGTTTGTAGCACATGCAGCTTCTTTCATCATCTTCTGGGTCTGCTTGTGTTCAATGCCT
 CAGACAGGTTTCAAGGCATCACCACGCTGCCCAATATCACAGTTACTGACTATCCCAAAC
 AGATCTTCAGGGTAAAACCACCCAGTTTACATGGACTGAAATGCTAATTATGGTCTGGG
 TTCTTGGAAATGATGTGGTCTGAATGTAAAGAGCTCTGGCTGGAAGGACCTAGGGAATACA
 TTTTGCAGTTGTGGAATGTGCTTGACTTTGGGATGCTGTCCATCTTATTGCTGCTTTCA
 CAGCCAGATTCTAGCTTTCCTTACGGCAACGAAGGCACAACAGTATGTGGACAGTTACG
 TCCAAGAGAGTGACCTCAGTGAAGTGACACTCCCACCAGAGATACAGTATTTCACTTATG
 CTAGAGATAAATGGCTCCCTTCTGACCCTCAGATTATATCTGAAGGCCTTTATGCCATAG
 CTGTTGTGCTCAGCTTCTCTCGGATTGCGTACATCCTCCCTGCAAATGAGAGCTTTGGCC
 CCCTGCAGATCTCTTGGAAAGGACTGTAAGGACATATTCAAGTTCATGGTCTCTTTA
 TTATGGTGTTTTTGCCTTTATGATTGGCATGTTCACTATTTATTCTTACTACCTTGGGG
 CTAAAGTTAATGCTGCTTTTACCAGTGTAGAAGAAAGTTTCAAGACTTTATTTTGGTCAA
 TATTTGGGTTGTCTGAAGTGACTTCCGTTGTGCTCAAATATGATCACAAATTCATAGAAA
 ATATTGGATACGTTCTTTATGGAATATACAATGTAACATGGTGGTCTGTTTTACTCAACA
 TGCTAATTGCTATGATTAATAGCTCATATCAAGAAATGAGGATGACAGTATGTAGAAT
 GGAAGTTTGTCTGTTCAAACCTTTGGTTATCCTATTTTGTGATGATGAAAAACATTACCTC
 CACCTTTCAGTCTAGTTCCTAGTCCAAAATCATTGTTTTATTTTCATCATGCGAATTGTTA
 ACTTTCCCAAATGCAGAAGGAGAAGACTTCAGAAGGATATAGAAATGGGAATGGGTAAC
 CAAAGTCCAGGTTAAACCTCTTCACTCAGTCTAACTCAAGAGTTTTTGAATCACACAGTT
 TTAACAGCATTCTCAATCAGCCAACACGTTATCAGCAGATAATGAAAAGACTTATAAAGC
 GGTATGTTTTGAAAGCACAAGTAGACAAAGAAAATGATGAAGTTAATGAAGGTGAATTAA
 AAGAAATCAAGCAAGATATCTCCAGCCTTCGTTATGAACTTTTGGAAGACAAGAGCCAAG
 CAACTGAGGAATTAGCCATTCTAATTCATAAACTTAGTGAGAACTGAATCCCAGCATGC
 TGAGATGTGAATGATGCAGCAACCTGGATTTGGCTTTGACTATAGCACAATGTGGGCAA
 TAATATTTCTAAGTATGAAATACTTGAAAAACTATGATGTAAATTTTTAGTATTAACAC
 CTTTATCATGTGAACCTTTAAAAGTTAGCTCTTAATGGTTTTATTGTTTTATCACATGAA
 AATGCATTTTATTTGTCTGCTTTGACATTACAGTGGCATAACCATTTGTGTTGAAAAGCCCA
 ATATTACTATATTATTGAAACTTTTATTCATTTTAGAGTAAACTCCACATCTTTGCACTA
 CCTGTTTGCTCCAAGAGACTATCAGTTCCTTGGGGACAGGGACCATGCTTATTCATCT
 TTGTGTCTCCAGCATCTAGTACAGTGCCTGGTATATAGTAGGTGCTCAATAAATGTTGAA
 ACCAACTGAACTGCCAACAAAAATAAAAAATAAAAGTCTTCACTATGTAGCATACCTTCCC
 TTGTCCAAGTTCTGAAGAGGTTTTTTTTTTTTTTTTTTTTTAAATAGAACTGAAGACATTTTA
 CAACCAGCTATGACTTGGTAAGACATTCTTAGAATTTTAGGTGTCAGTGAATCCTTAGA
 ACCACTGAGCCCCAAGTGAAGAATTTAAACAACAAAATGGGTTAATGAAAAATATAATTAC
 ATTGTATATTTAAGTTTCATAGAATTATTTAAAACAACACATTAAGATTTTTCTAAAAT
 ATAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI
 ACCN: NM_001130698
 Insert Size: 4100 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001130698.
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:	<u>NM_001130698.1, NP_001124170.1</u>
RefSeq Size:	3548 bp
RefSeq ORF:	2766 bp
Locus ID:	7222
UniProt ID:	<u>Q13507</u>
Cytogenetics:	4q27
Protein Families:	Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (a).</p>