

Product datasheet for **RG210794**

TRPC3 (NM_003305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPC3 (NM_003305) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRPC3
Synonyms:	SCA41; TRP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG210794 representing NM_003305
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGGAAGCCCATCCCTGAGACGCATGACAGTGATGCGGGAGAAGGGCCGGCCAGGCTGTACAGG
GCCCGCCTTCATGTTCAATGACCGCGGCACCAGCCTCACCGCCGAGGAGGAGCGCTTCCTCGACGCCG
CGAGTACGGCAACATCCCAGTGGTGCAGCAAGATGCTGGAGGAGTCCAAGACGCTGAACGTCAACTGCGTG
GACTACATGGGCCAGAACGCGCTGCAGCTGGCTGTGGCAACGAGCACCTGGAGGTGACCGAGCTGCTGC
TCAAGAAGGAGAACCTGGCGCGCATTGGCGACGCCCTGCTGCTCGCCATCAGCAAGGGCTACGTGCGCAT
CGTAGAGGCCATCCTCAACCACCCTGGCTTCGCGGCCAGCAAGCGTCTCACTCTGAGCCCCTGTGAGCAG
GAGCTGCAGGACGACGACTTCTACGCTTACGACGAGGACGGCACGCGCTTCTCGCCGGACATCACCCCA
TCATCCTGGCGGCGCACTGCCAGAAATACGAAGTGGTGCACATGCTGCTGATGAAGGGTGCCAGGATCGA
GCGGCCGACGACTATTTCTGCAAGTGGCGGGACTGCATGGAGAAGCAGAGGCACGACTCCTTCAGCCAC
TACGCTCGAGGATCAATGCCTACAAGGGGCTGGCCAGCCCGGCTTACCTCTCATTGTCCAGCGAGGACC
CGGTGCTTACGGCCCTAGAGCTCAGCAACGAGCTGGCCAAGCTGGCCAACATAGAGAAGGAGTTCAGAA
TGACTATCGGAAGCTCTCCATGCAATGCAAAGACTTTGTAGTGGGTGTGCTGGATCTCTGCCGAGACTCA
GAAGAGGTAGAAGCCATTCTGAATGGAGATCTGGAATCAGCAGAGCCTCTGGAGGTACACAGGCACAAA
CTTCATTAAGTCGTGTCAAACCTTGCCATTAAGTATGAAGTCAAAAAGTTTGTGGCTCATCCCACTGCCA
GCAGCAGCTCTTGACGATCTGGTATGAGAACCTCTCAGGCCTAAGGGAGCAGACCATAGCTATCAAGTGT
CTCGTTGTGCTGGTGTGGCCCTGGGCCTTCCATTCTGGCCATTGGCTACTGGATCGCACCTTGACGCA
GGCTGGGAAAATCTGCGAAGCCCTTTTATGAAGTTTGTAGCACATGCAGCTTCTTCATCATCTTCTCCT
GGGTCTGCTTGTGTTCAATGCCTCAGACAGGTTTGAAGGCATCACACGCTGCCCAATATCACAGTACT
GACTATCCCAAACAGATCTTACGGGTGAAAACCCAGTTTACATGGACTGAAATGCTAATTTATGGTCT
GGGTTCTTGAATGATGTGGTCTGAATGTAAGAGCTCTGGTGGAAAGACCTAGGGAATACATTTTGCA
GTTGTGGAATGTGCTTACTTTGGGATGCTGTCCATCTTCATTGCTGCTTTCACAGCCAGATTCTAGCT
TTCCTTACGGCAACGAAGGCACAACAGTATGTGGACAGTACGTCGAAGAGAGTGACCTCAGTGAAGTGA
CACTCCCACCAGAGATACAGTATTTCACTTATGCTAGAGATAAATGGCTCCCTTCTGACCCTCAGATTAT
ATCTGAAGGCCTTATGCCATAGCTGTTGTGCTCAGCTTCTCTCGGATTGCGTACATCCTCCCTGCAAT
GAGAGCTTTGGCCCTCGAGATCTCTTGGAAAGGACTGTAAGGACATATTCAAGTTCATGGTCTCTCT
TTATTATGGTGTTTTTGCTTTATGATTGGCATGTTCACTTTATTCTTACTACCTTGGGGCTAAAGT
TAATGCTGCTTTTACCCTGTAGAAGAAAGTTTCAAGACTTTATTTTGGTCAATATTTGGGTTGTCTGAA
GTGACTCCGTTGTGCTCAAATATGATCACAAATTCATAGAAAATATTGGATACGTTCTTTATGGAATAT
ACAATGTAACATGGTGGTGTGTTTACTCAACATGCTAATTGCTATGATTAATAGCTCATATCAAGAAAT
TGAGGATGACAGTGATGTAGAATGGAAGTTTGTCTGTTCAAACTTTGGTTATCCTATTTTGTATGATGGA
AAAACATTACCTCCACCTTTCAGTCTAGTTCCTAGTCCAAAATCATTTGTTTATTTATCATGCGAATTG
TTAACTTTCCAAATGCAGAAGGAGAAGGCTTTCAGAAGGATATAGAAAATGGGAATGGGTAACCTCAAAGTC
CAGGTTAAACCTTCTCACTCAGTCTAACTCAAGAGTTTTTGAATCACACAGTTTTAACAGCATTCTCAAT
CAGCCAACACGTTATCAGCAGATAATGAAAAGACTTATAAAGCGGTATGTTTTGAAAGCACAAAGTAGACA
AAGAAAATGATGAAGTTAATGAAGGTGAATTAAGAAAATCAAGCAAGATATCTCCAGCCTTCGTTATGA
ACTTTTGGAAAGACAAGAGCCAAGCAACTGAGGAATTAGCCATTCTAATTCATAAACTTAGTGAGAAACTG
AATCCCAGCATGCTGAGATGTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210794 representing NM_003305
 Red=Cloning site Green=Tags(s)

```
MEGSPSLRRMTVMREKGRRQAVRGPAPMFNDRGTSLTAEERFLDAAEYGNIPVVRKMLEESKTLNVNCV
DYMGNALQLAVGNEHLEVTELLKKENLARIGDALLLAISKGYVRIVEAILNHPGFAASKRTLSPCEQ
ELQDDDFYAYDEGTRFSPDITPIILAHCQKYEVVHMLLMKGARIERPHDYFCKCGDCMEKQRHDSFSH
SRSRINAYKGLASPAYLSLSEDPVLTALEL SNELAKLANIEKEFKNDYRKL SMQCKDFVVGVLDCRDS
EEVEAILNGDLESAEPLVHRHKASLSRVKLAIKYEVKKFVAHPNCQQQLLTIWYENLSGLREQTIAIKC
LVVLVVALGLPFLAIGYWIAPCSRLGKILRSPFMKFVAHAASF IIFLGLLVFNASDRFEGITTLPNITVT
DYPKQIFRVKTTQFTWTEMLIMVWVLGMMWSECKELWLEGPREYILQLWNVLDGMLSIFIAAFTARFLA
FLQATKAQQYVDSYVQESDLSEVTLPEIQYFTYARDKWLPSDPQIISEGLYAIYVLSFSRIAYILPAN
ESFGPLQISLGRVTKDIFKFMVLFIMVFFAFMIGMFILYSYLLGAKVNAAF TTVEESFKTLFWSIFGLSE
VTSVVLKYDHKF IENIGYVLYGIYNVTMVVLLNMLIAMINSSYQEIEDDSVVEWKFARSKLWLSYFDDG
KTLPPPSLVSPKSFVYFIMRIVNFPKRRRRLQKDIEMGMGNSKSRNLNFTQNSRVFESHFSNSILN
QPTRYQQIMKRLIKRYVLKAQVDKENDEVNEGELKEIKQDISSLR YELLEDKSQATEELAILIHKLSEKL
NPSMLRCE
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_003305.2](#)

RefSeq Size: 3448 bp

RefSeq ORF: 2547 bp

Locus ID: 7222

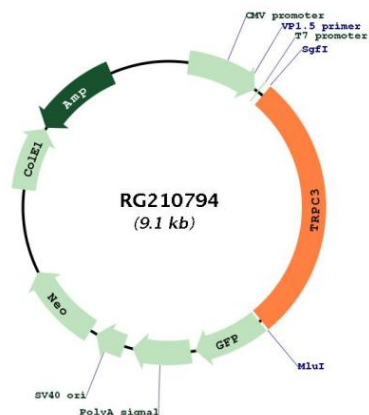
UniProt ID: [Q13507](#)

Cytogenetics: 4q27

Protein Families: Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Gene Summary: 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]

Product images:



Circular map for RG210794