

Product datasheet for **RG206925**

TMCC3 (NM_020698) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TMCC3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206925 representing NM_020698
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGGCAGCGACACGGCGCTCACCGTGGACCGGACCTACTCGGACCCCGGCCGGCACCACCGCTGCA
AGAGCCGGGTAGAACGTCATGACATGAATACCTTAAGCCTGCCCTGAACATACGCCAGGGGGGTGAGA
CACCAACCTCAACTTTGATGTCCCGGATGGCATCCTGGACTTCCACAAGGTCAAACCTCACTGCAGACAGC
CTGAAGCAAAAAATTCTAAAGGTAACAGAGCAGATAAAAAATTGAGCAAAACATCGCGCGATGGGAATGTTG
CGGAGTATCTGAACTAGTGAACAACGCAGACAAGCAGCAGCGCGGACGTATCAAGCAAGTCTTTGAGAA
GAAGAATCAGAAATCAGCTCACTCCATCGCCAGCTGCAGAAGAAGTTAGAGCAGTATCATCGAAAGCTC
AGAGAGATCGAGCAGAATGGAGCCTCTAGGAGCTCAAAGGACATTTCCAAAGACCACCTGAAGGATATAC
ATCGCTCTTTGAAAGATGCCACGTGAAATCTCGAACTGCCCCCATTTGCATGGAGAGCAGCAAAATCGGG
CATGCCAGGGGTCTCACTTACTCCACCTGTGTTCTGTTTCAATAAGTCCAGAGAGTTTGCCAACCTGATC
CGGAATAAGTTTGGCAGCGCCGACAACATTGCTCACTTGAAAAATTCCTTAGAGGAGTTTAGGCAAGAGG
CGAGTGCCAGGGCCTACGGGGCAGCGCTACCATCGTGAACAAACCAAGTATGGCAGTGATGATGAATG
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CTGGACAGCCAGGGCAAGCTCGCCGTGATCCTGGAGGAAGTGAAGGAGATCAAGGATACCAAGCTCAGC
TGGCTGAGGACATCGAGGCACTGAAGGTGCAGTTTAAGAGAGAATATGGTTTATTTCTCAGACCTGCA
AGAGGAAAGATACAGGTATGAGCGACTGGAGGACCAGCTGCATGACCTGACGGACCTGCATCAGCATGAG
ACAGCCAACCTGAAGCAGGAGCTGGCCAGCATTGAGGAGAAGGTGGCCTACCAGGCCTACGAGCGCTCGC
GGGACATCCAGGAAGCCTTGAATCCTGCCAGACTCGCATTCTAAGCTGGAGTCCACCAGCAAGAGCA
GCAAGCTCTGCAGACAGACACCGTGAATGCTAAAGTTCTCCTGGGAGGTGCATCAACGTGATCCTGGCC
TTCATGACTGTCATCTTAGTGTGTGTGCCACCATCGCGAAGTTCGTCTCACCATGATGAAGAGTCGCT
GCCACATTCTTGGCACCTTCTTGGCGTGAATCTTCTGCTATATTTGTAAAACTGGGACCATATCCT
GTGTGCCATAGAAAGGATGATAATACCAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



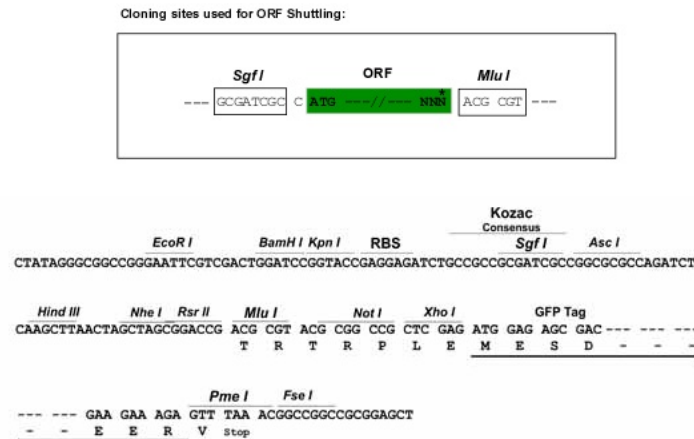
Protein Sequence: >RG206925 representing NM_020698
Red=Cloning site Green=Tags(s)

MPGSDTALTVDRTYSDPGRHHRCKSRVERHDMNTLSLPLNIIRRGSDTNLFNDVPDGILDFHKVKLTADS
LKQKILKVTEQIKIEQTSRDGNVAEYKLKLVNNADKQAGRIKQVFEKKNQKSAHSIAQLQKKLEQYHRKL
REIEQNGASRSSKDISKDHLKDIHRSLKDAHVKSRTAPHCMESKSGMPGVSLTPPVFVFNKSREFANLI
RNKFGSADNIAHLKNSLEEFQESARAYGGSATIVNPKYGSDDCESSGTSGSADSNQSFAGGAST
LDSQGLAVILEELREIKDTQAQLAEDIEALKVQFKREYGFISQTLQEERYRYERLEDQLHDLTDLHQHE
TANLKQELASIEEKVAYQAYERSRDIQEALESCQTRISKLELHQEQQALQTDVTNNAKVLGRCINVILA
FMTVILVCVSTIAKFVSPMMKSRCHILGTFFAVTLAIFCKNWDHILCAIERMIIPR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020698

ORF Size: 1431 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020698.1](#), [NP_065749.1](#)

RefSeq Size: 4727 bp

RefSeq ORF: 1434 bp

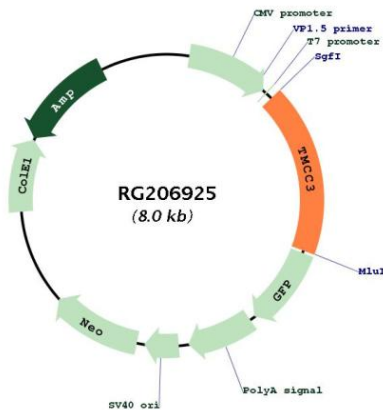
Locus ID: 57458

UniProt ID: [Q9ULS5](#)

Cytogenetics: 12q22

Protein Families: Transmembrane

Product images:



Circular map for RG206925