

Product datasheet for **RG202842**

TTC38 (NM_017931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC38 (NM_017931) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC38
Synonyms:	LL22NC03-5H6.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG202842 representing NM_017931
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGAGCCTCGCCTCTGCGGACTGCCAGGCTGGAAGGATGCGAGGCTCCCGCTCTCCACCACAA
 GCAACGAAGCCTGCAAGCTGTTGATGCCACGCTGACCCAGTATGTAATAATGGACCAATGACAAGAGTCT
 CGGTGGCATCGAGGGCTGCCTGTCAAAGCTCAAAGCAGCAGATCCAACCTTTGTGATGGGCCACGCCATG
 GCTACTGGCCTTGTGCTGATTGGCACTGGAAGCTCCGTGAAGCTGGACAAAGAGCTGGACCTGGCTGTGA
 AGACAATGGTGGAGATTTCAAGAAGCCAGCCGCTGACAAGGCGGGAGCAGCTGCACGTGTCTGCAGTAGA
 GACATTTGCCAATGGAACTTTCCGAAAGCCTGTGAAGTATGGGAACAGATTCTCCAGGACCACCCGACA
 GACATGTTGGCCCTGAAATTTCCCATGATGCTTATTTTTACCTGGGCTATCAGGAACAGATGAGAGATT
 CTGTTGCTCGAATTTACCCCTTCTGGACACCTGACATCCCCTAAGCAGCTATGTGAAAGGCATCTACTC
 TTTTGGCTTGATGAAACCAACTTCTACGACCAGGCAGAAAACTCGCCAAAGAGGCTTTATCTATTAAC
 CCGACAGACGCATGGTCCGTGCACACCGTCGCTCACATCCACGAGATGAAAGCAGAGATCAAGGATGGGT
 TGGAAATCATGCAGCACTCAGAGACCCTCTGGAAGGACTCTGATATGTTGGCTTGTACATAACTATTGGCA
 CTGGGCTTTATATCTGATTGAGAAGGGCGAATATGAGGCCGCGCTGACCATCTACGATACCCACATCCTT
 CCCAGCCTGCAGGCCAACGATGCAATGCTGGACGTGGTGGACAGCTGCTCCATGCTCTACCCGCTGCAGA
 TGGAAAGGAGTGTCTGTGGCCAGCGGTGGCAGGATGTCTGCCTGTGGCCCGGAAGCACAGCCGAGACCA
 CATCCTGCTGTTCAATGACGCACACTTCTGATGGCATCCCTGGGTGCACACGACCCCGAGACCACAG
 GAGCTGCTGACCACCTGCGGGACGCCAGCGAATCCCCAGGGGAGAACTGCCAGCACCTCCTGGCCCGAG
 ACGTGGGGCTGCCCTGTGCCAGCCCTGGTGGAGGCTGAGGACGGGAACCCTGACCCGCTCTGGAGCT
 GCTCCTGCCATCCGCTACCGGATCGTCCAGCTCGGTGGGAGCAATGCCAGAGAGACGTCTTCAACCAG
 CTGCTGATTACGCGGCCTTAAACTGCACCTCCAGCGTCCATAAGAACGTAGCCCGGAGCCTTCTGATGG
 AGCGTGATGCCTTGAAGCCCAACTCGCCCTGACCGAGCGGCTCATCCGCAAGGCAGCTACCGTCCACCT
 CATGCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG202842 representing NM_017931
 Red=Cloning site Green=Tags(s)

MAAASPLRDCQAWKDARLPLSTTSNEACKLFDATLTQYVKTNDKSLGGIEGCLSKLKAADPTFVMGHAM
 ATGLVLIGTGSSVKLDKELDLAVKTMVEISRTQPLTRREQLHVSAVETTFANGNFPKACELWEQILQDHPT
 DMLALKFSDAYFYLGYQEQRDSVARIYPFWTPDIPLSSYVKGISFGLMETNFYDQAEKLAKEALSIN
 PTDASVHTVAHIHEMKAIEKDGLEFMQHSETLWKDSMLACHNYWHWALYLIEKGEYEAALTIYDTHIL
 PSLQANDAMLVDVSCSMLYRLQMEGVSQQRWQDVLVARKHSRDHILLFNDAHFLMASLGAHDPQTTQ
 ELLTTLRDASESPGENCQHLLARDVGLPLCQALVEAEDGNPDRVLELLLPYRYRIVQLGGSNAQRDVFNQ
 LLIIHAALNCTSSVHKNVARSLLMERDALKPNSPLTERLIRKAATVHLMQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_017931

ORF Size: 1407 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.

RefSeq: [NM_017931.3](#)

RefSeq Size: 2616 bp

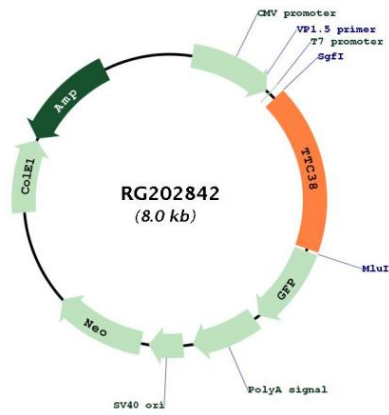
RefSeq ORF: 1410 bp

Locus ID: 55020

UniProt ID: [Q5R3I4](#)

Cytogenetics: 22q13.31

Product images:



Circular map for RG202842