

Product datasheet for **RG209016**

TTC27 (NM_017735) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC27 (NM_017735) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209016 representing NM_017735
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACCCCGAGCTGGCAATTCTGAGGGGATTCGCCACTGAGGCTGAGCGGCAGCAATGGAACAGG
 AGGGGGTCGTCGGTTCAGAGAGTGGATCTTTCCTACAATTGCTGCTGGAAGGGAACATATGAAGCCATATT
 CTTAAATTCAATGACTCAAAATATTTTTAATTCACAACAACCGCTGAAGAAAAGATTGATAGCTACCTG
 GAGAAGCAGGTAGTAACATTCCTGGATTACTCAACAGATTTGGACACAACGGAAAGACAACAGTTGATAT
 TTCTACTTGGTGTGAGCAGTTTGAACCTTTTGTTCAGAGCAACTGGACGGGGCCCCCTGTTGACTTACA
 CCCTCAGGACTTTTTGTCATCTGTTTTGTTCCAGCAATTCAGTGAGGTTAAAGGACTGGATGCATTTGTT
 CTGAGCCTGCTCACTCTAGATGGTGAATCAATCTACAGCCTGACCTCGAAGCCTATACTACTGTTATTAG
 CACGCATTATCCTAGTGAATGTAAGACATAAACTGACAGCTATTCAGAGCTTGCCATGGTGGACTTTGAG
 ATGTGTGAATATTCATCAGCATTGCTTGAGGAACGCTCACCTCTGCTTTTTACTCTTGCCGAAAACGT
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 CACCCACTCCTCAGGAACATTTAACCAAGAATCTTGAGCTCAATGATGACACCATTCTGAATGACATAAA
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 TGCATAATTTTCAAAAAGAATAACCCAGTGCACACATTAAGTGAAGTGGAGCTTCTGGCATTACATCAT
 GTTTGCTTTTCAACAACAAAGTTCTGGCCATTAGACATCAGCCTTGATCCTCCGGACAAAACCTGAGAA
 AGGAAGTACTCGCCGAGTGGAAACGGCAATGAGGCAGACACAGGCTCTTGACAGACCAATTTGAAGATAAA
 ACTACATCTGTATTGGAACGCCTGAAGATTTTCTATTGCTGTCAAGTACCACCTCACTGGGCCATTCAGC
 GCCAACTTGCAAGTTTGTCTTTGAGTTGGGATGTACCAGTTCAGCCCTCAGATATTTGAAAAGCTAGA
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 CAAGAGCTGGAGAAAAAGAAACGCCTAGTTTATACTGCTTGCTTGAGATGTCCTCGGAGACCATTCTT
 GCTATGACAAGGCCTGGGAGTTGTCGGTACCGCAGTGTCTGCTCAGCGCTCCAAGCCCTCCTTCA
 TCTTCGGAATAAGGAGTTTCAAGAGTGTGTAGAGTGTTCGAACGCTCGGTTAAGATTAATCCCATGCAG
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 TTCAGCGCTGTGTGACTCTAGAACCCGATAATGCTGAAGCTTGGAACAATTTGTCAAATTCCTATATCCG
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 ATTTGGGAAAACATCCTCACCAGCACTGACGTTGGGGAATTTTCAAGGCCATTAAAGCTTATCACC
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 TGGGATGACTGATCGAAGTGGAGATGTTGCAACTGGCCTCAAAGGAAAGCTGCAGGAGTTATTTGGCAGA
 GTGACTTCAAGAGTGACAAATGATGGAGAAATCTGGAGGCTGTATGCCACGTATATGGAATGGGCAGA
 GTGAAAAGCCTGATGAAAATGAAAAGGCATTCCAGTGCCTCTCAAAGGCATACAAGTGTGACACCCAGTC
 CAATTGTTGGGAGAAAGATATTACATCATTTAAGGAAGTTGTTCAAAGAGCCTTAGGACTTGACATGTG
 GCCATAAAATGCAGTAAAAACAAATCCAGTTCCTCAAGAAGCTGTACAAATGCTTTCTTCTGTTGACTCA
 ATTTACGGGGCTTGTATCTAAAGCAAAGCAACTTTTTACAGATGTGGCAACTGGAGAAATGTCCAGGGA
 ATTAGCTGATGACATAACAGCTATGGACACCTTAGTGACAGAGCTCCAAGACCTAAGCAACCAGTTTCGA
 AATCAGTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209016 representing NM_017735
Red=Cloning site Green=Tags(s)

MWTPELAILRGFPTEAERQQWKQEGVVGSESGSFLQLLLEGNYEAIFLNSMTQNI FNSTTTAEEKIDSYL
EKQVVTFLDYSTDLDLTTERRQQLIFLLGVSSLQLFVQSNWTGPPVDLHPQDFLSSVLFQQFSEVKGLDAFV
LSLLTLDGESIYSLTSKPIILLLLARIILVNRHKLTAIQSLPWWTLRCVNIHQHLLLEERSPLLFTLAENC
IDQVMKLNLFVDDSGRYLAIQFHLECAVVFLLYYEYRKAKDQLDIAKDISQLQIDLTGALGKRTRFQEN
YVAQLILDVRRREGDVL SNCEFTPAPTPQEHLTKNLELNDDTILNDIKLADCEQFQMPDLCAEEIAIILGI
CTNFQKNNPVHTL TEVELLAFTSCLLSQPKFWAIQTSALILRTKLEKGSTRRVERAMRQTQALADQFEDK
TTSVLERLKIFYCCQVPPHWAIQRQLASLLFELGCTSSALQIFEKLEMWEDVVICYERAGQHGAEEILR
QELEKKETPSLYCLLGDVLGDHSCYDKAWELSRYSARAQRSKALLHLRNKEFQECVECFERSVKINPMQ
LGVWVSLGCAYLALEDYQGSAKAFQRCVTLEPDNAEAWNNLSTSYIRLKQKVKAFRTLQEALKCNYEHWQ
IWENYILTSTDVGEFSEAIKAYHRLDLDRDKYKDVQVLKILVRAVIDGMTDRSGDVATGLKGKLQELFGR
VTSRVTNDGEIWRLYAHVYGNQSEKPDENEKAFQCLSKAYKCDTQSNCEWKDITSFKEVVQRALGLAHV
AIKCSKNKSSSQEAVQMLSSVRLNLRGLLSKAKQLFTDVATGEMSRELADDITAMDTLVTELQDL SNQFR
NQY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_017735

ORF Size: 2529 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_017735.3](#), [NP_060205.3](#)

RefSeq Size: 2945 bp

RefSeq ORF: 2532 bp

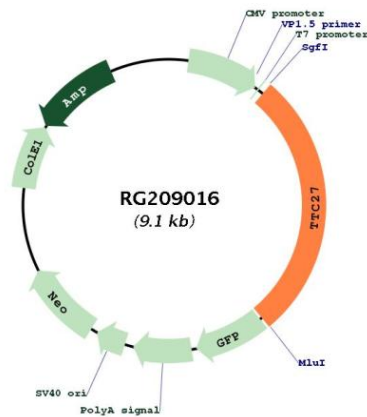
Locus ID: 55622

UniProt ID: [Q6P3X3](#)

Cytogenetics: 2p22.3

Domains: TPR

Product images:



Circular map for RG209016