

Product datasheet for **MG211127**

Tubgcp2 (BC012519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp2 (BC012519) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tubgcp2
Synonyms:	1700022B05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211127 representing BC012519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCGAATTTTCGGATTACCATGATGTCAATGAGCTGCTCAGCCTGCTCCGCATCCATGGCGGGGATG
 GGGCTGAGGTCTACATTGACCTGCTGCAGAAGAACCAGGACGCCGTATGTACAACCACAGTCTCTGCCCA
 CAGTGCCAAGGTCAAAATTCAGAAATTTCTCGAACTCCTGAGGACTTTTTAAAGAAATATGATGAACTG
 AAATCTAAAAATACAAGGAACCTTGACCCACTGGTGTACCTGTTATCAAACTCACAGAAGACAAAGAGA
 CACTTCAGTTTTTGAACAGAATGCAAAGGAAAGAGCTGAGCTTGACGCTAGTGTGCAACTAGCAACAC
 CACCAGCTTCAGCATCCCTGTTGCAGCCTTAAGATGTCCACACAAGAGCTAGAGGAACTGAGGAAGCAG
 CTTGGCAGTGTATCCACAGGCTCCACACTGCAGCAGTCTCTGGAACCTACAAGAAAGATGCTTCGAGACA
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 GGCTGGAGATTTCTGATTGGCTCGGGCTTGAGCTCAGACACAGTTTTGCCTATAGTACATTGCCCTTG
 GCCTCCCAGGAGTCAGCTGTGGTGAAGATCTGCTCTATGTGCTTGTGGGTGTGGATGGCAGGTATATCA
 CTGCTCAGCCTTTGGCTGGGAGGCAGAACCCTACCTTCCTTGTGACCCCAACCTGGACCTGTCCATCCG
 GGAGCTAGTAAACAGAATCCTCCCTGTGGCCGCCAGCTACTCTACTGTGACCAGGTTCAATTGAGGAGAAG
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 GGAGCTCAGGAAGCCAGTGGAGGACATCACTACACGCCTGGAGGCCCTGTTGGAGCTGGCCCTGCGA
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 CTCAGCTTTTGGGGTTCTGGCCATCGAGACCAAGCAGGAAAAGCAATGACCCATGCTGACCCACGGA
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 GGATTGAGGATCGCCCCGGAAGGAGCTTACCAGGAAGCATCTGTCTGAGCATGTGGATGCTCCTCAGCT
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 GCCCGACTAAGTGTCTACAGCACCAGTACTGCGAACATGGCATGGCCAGTGTCTCCTCAGACTAGATT
 TCAATGGTTTCTATGCTGAACGCTGGAACGTCTGTCTGCAGAAAGGAGTCAGAAGGCTGCCCCCAAGT
 GCCTGTCCACGGGGACCCTCAGCACCAGCACCAGGGTGGCCATTCTGCGCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211127 representing BC012519
 Red=Cloning site Green=Tags(s)

MSEFRIHHDVNEALLSLLRIHGGDGAEVYIDLLQKNRTPYVTTTSAHSAKVKIAEFRTPEDFLKKYDEL
 KSKNTRNLDPLVYLLSKLTEDKETLQFLQONAKERAELAASAATSNNTSFSIPVAASKMSTQEELELRKQ
 LGSVSTGSTLQQSLELTRKMLRDKQNKNSGQPLPVFPWVYERPTLAGDFLIGSGLSSDVTLPVIGTLPL
 ASQESAVVEDLLVYLVGVDGRYITAQPLAGRQNRFTLVDPNLDLSIRELVNRILPVAASYSTVTRFIEEK
 SSFEYGVNHALAAAMRTLKVEYLILVTQLEQLHRQGLLSLQKLWFIQIPAMRTIDILASLATSVDKGEK
 VGGSTLSLLHDSFNFTGDSQAQELCLYLTKAASAPYFEILEKWIYRGIHDPYSEFMVEHELKREKIQ
 EDYNDKYWDQRYTVLPQQIPSFLQKVAGKILSTGKYLNVVRECGHDVTCVPAKEIIYTLKERAYVEQIEK
 AFNYASKVLLDFLMEEKELVAHLRSIKRYFLMDQGDFFVHFMDL TEEELRKPVEDIILTRLEALLELALR
 MSTANTDPFKDDLKIELMPHDLITQLLRVLA IETKQEKAMTHADPTEL TSGLEAFSFDYVMKWPLSLII
 NRKALTRYQMLFRHMFYCKHVERQLCSVWISNKTAKQHALHSKWFAGAF TLRQRMLNFVQNIQYMMFEE
 VMEPTWHILEKNLKSASNIDDLGHHSFLDNCLKDCMLTNPPELLKVF SKLMSVCMFTNMQKFTQSMK
 LDSELGRLTLDQGSVQGPPTETETERIEDRPRKELTRKHLSEHVDAPQLASGFEATINNFDFKNFSAHLLDLL
 ARLSVYSTSDCEHGMSVISRDLDFNGFYAERLERLSAERSQKAAPQVPVPRGSAAPRVAIPAQ

TRTRPLE - GFP Tag - V

Restriction Sites:

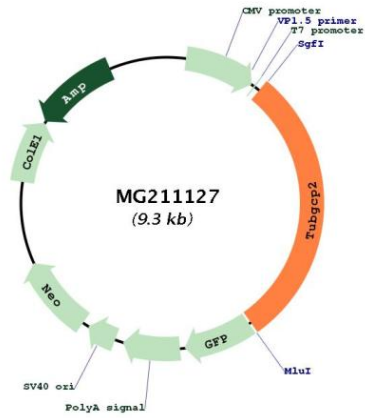
SgfI-MluI

Cloning Scheme:



ACCN:	BC012519
ORF Size:	2717 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:	<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:	BC012519 , AAH12519
RefSeq Size:	2992 bp
RefSeq ORF:	2717 bp
Locus ID:	74237
Cytogenetics:	7 F4
Gene Summary:	Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211127