

Product datasheet for **RC235048**

TUBGCP2 (NM_001256617) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TUBGCP2 (NM_001256617) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TUBGCP2
Synonyms:	ALP4; GCP-2; GCP2; Grip103; h103p; hGCP2; hSpc97; PAMDDFS; SPBC97; SPC97; Spc97p
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC235048 representing NM_001256617
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGAATTTTCGATTACCATGACGTCAATGAACTGCTTAGCCTGCTGCGTGTCCACGGAGGAGATG
 GGGCTGAGGTCTACATTGACCTGCTTCAAAGAACAGGACCCCGTACGCTACTACCACTGTCTCTGCTCA
 CAGTGCCAAGGTTAAAATTGCAGAGTTTTCTCGTACTCCAGAAGACTTTCTAAAGAAATATGATGAACTG
 AAATCTAAAAATACAAGGAACCTTGACCCGCTGGTGTACCTGTTGTCAAAGCTCACGGAAGACAAAGAGA
 CTCTGCAGTACTTACAACAGAATGCAAAAGAAAGAGCTGAGCTTGCAGCCGCTGCTGTGGGCAGCAGTAC
 CACCAGCATCAACGTCCCTGCCGCGCCCTCAAGATCTCCATGCAGGAGCTTGGAACTGAGGAAGCAG
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 AATCTCGCTCTGTGCCCCAGGCTGAAGTGCAGTGGCGTGATCTCGGCACACTGCAACCTCCACCTCCAG
 GCACGTTGCCCTGGCCTCGCAGGAGTCGGCCGTGGTGGAGGACCTGCTGTACGTGCTGGTGGGCGTGGA
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 GACCTGTCCATCAGGGAGCTGGTGCACAGGATCCTCCCAGTGGCCGCCAGCTACTCCGCTGTGACCAGGT
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 AGCTGGCCTGCGCATGAGCACGGCCAACACTGACCCCTTCAAGGACGACCTCAAGATCGACCTGATGCC
 CCATGACCTCATCACTCAGCTCTTGCGCGTCTGGCCATCGAGACCAAGCAGGAGAAGGGCATGGCGCAC
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 TTTTCGCTCATCATCAACAGGAAAGCCCTCACTCGTACCAGATGCTCTTCAGGCACATGTTCTACTGCAA
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 TCCTGGCCCGCTGAGCATCTATAGCACAGTACTGTGAGCACGGCATGGCCAGCGTCTATCCAGGCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC235048 representing NM_001256617
 Red=Cloning site Green=Tags(s)

MSEFRIHHDVNEILLSLRVHGGDGAEVYIDLLQKNRTPYVTTTSAHSAKVKIAEFSRTPEDFLKKYDEL
 KSKNTRNLDPLVYLLSKLTEDKETLQYLQONAKERAELAAAAGSSTTSINVPAAASKISMQELEELRKQ
 LGSVATGSTLQQSLELKRKMLRDKQNKNSGQHLPIFPAWYERPALIGDFLIGAGISTDTALPIVLLRW
 NLALSPRLKCSGVISAHCNLHLPGLPLASQESAVVEDLLVYLVGVDGRYVSAQPLAGRQSRFTLVDPNL
 DLSIRELVHRILPVAASYSAVTRFIEEKSSFYEQVNHALAAAMRTL VKEHLILVSQLEQLHRQGLLSLQ
 KLWFIQIPAMRTMDILASLATSVDKGECLGGSTLSLLHDSFSYTGDSQAQELCLYLTKAASAPYFEVLE
 KWIYRGIHDPYSEFMVEEHELKRIQEDYNDKYWDQRYTIVQQQIPSFQKMDKILSTGKYLNVVRE
 CGHDVTCVAKI I IYTLKERAYVEQIEKAFNYASKVLLDFLMEEKELVAHLRSIKRYFLMDQDFFVHFM
 DLAEELRKPVEDITPPREALLELALRMSTANTDPFKDDLKIDLMPHDLITQLLRVLA IETKQEKAMAH
 ADPTALSGLEAFSFDYIVKWPLSLIINRKALTRYQMLFRHMFYCKHVERQLCSVWISNKTAKQHSLSHS
 AQWFAGAFTLRQMLNFVQNIQYMMFVMEPTWHILEKNLKSANIDDLGHHTGFLDTCLKDCMLTNP
 ELLKVFSLMSVCVMFTNCMQKFTQSMKLDGELGGQTLHSTVLGLPAGAEERARKELARKHLAEHADTV
 QLVSGFEATINKFDKNFSAHLLDLLARLSIYSTDCEHGMA SVISRLDFNGFYTERLERLSAERSQKATP
 QVPVLRGPPAPAPRVAVTAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

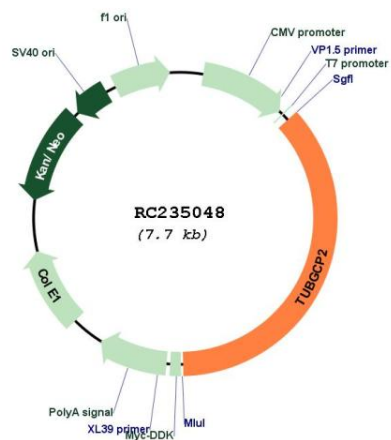


ACCN: NM_001256617

ORF Size: 2790 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:	NM_001256617.1 , NP_001243546.1
RefSeq Size:	4302 bp
RefSeq ORF:	2793 bp
Locus ID:	10844
UniProt ID:	Q9BSJ2
Cytogenetics:	10q26.3
Protein Families:	Druggable Genome
MW:	106.1 kDa
Gene Summary:	Gamma-tubulin complex is necessary for microtubule nucleation at the centrosome. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC235048