

Product datasheet for **SC210408**

GCP4 (TUBGCP4) (NM_014444) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	GCP4
Synonyms:	76P; GCP-4; GCP4; Grip76; MCCRP3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_014444
Insert Size:	2000 bp



Insert Sequence:

>SC210408 3'UTR clone of NM_014444

The sequence shown below is from the reference sequence of NM_014444. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
GGTGGAACTCTGGGCAGTTTCGGGATGTAATAAATTTCTGGCTCATAAATTGAAATAACAGCCACGTTC
CAAGGTTGTAACAGAAGATTCAAAACATCCCATTCTAGCCACACACAAATAATATCTGCGGCTTAGTG
ATAGGACTCTACCTTTTCTCTAGAACGAGTTACTGAACATCCAGGAGTACAACCTCTTCCCATCATTC
CCATGTGGAAGGGTCTCTCCCATCAAGGAGAACATGTGGCATCTCTGATCCTTTACATTGAGAACATTT
GTTGGATATGTTCAATTTATTCATAGTCATTTATTGAGCACCTACTACGTACCTTGGTACTGTTCAAGC
TGTGGGAGATACAGCGGTAAACAAACAATATAGAGCAGAAAGTTAAATATTTTATGGTTCATATGTGAA
AAAGTAATTATGTTTATAAATAGACTAACTGCTGGATGTTACCACCAAGTAAGAAAGCAACAGGTAAGA
TAGGCTTTTCTCTCCCTATACCAAGTAATTTATACCTACACAGATTGGGCAATTCTAGCTAATGAAAA
TATACTTAAAGTATTTCTTAGGCCGGGCATGGTGGCTCACACCTGTAATCCCAGCACCTTTGGGAGGCC
GAGGCGGGCGGATCACCTGAAGTCAGGAGTTTGAGACCAGCCTGACCAACATGATGAAACCTCGATTCT
ACTAAAAATACAAAAATTAGCCAGGTGTGGTGGCATGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAG
ACAGGAGAATTGCTTGAACCTGGGAAGCAGACGCTGCAGTGAGCTGAGATTGTGCCATTGCATTCCAGC
CCGGGCAACAAGAGCGAAATTCGCTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAGTATTATTCTCCAAGA
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GTTCTGGCATCAGTTATAGTCACTGCATCTGGTTTTTCACTACATATTCTACACACACTGGGAAGC
TCTGACAACTTATCCCTGCTATTATCAACTAAAGATCACCTTTTCTACTGCTGTCTCTGGAGCAGGAG
CTGGCAAACTATGGCCTGCTGTCTGTTTTGTACAGTTTTACTGAAACACAGCCATGCCCATTGTTTA
CTCATTGTCTATGGTTGCTTTTATGCCCTCACAGCAAGGCGAGTAGTTGTGATGGATCAAAATGGCCCA
CAAAGCCTGAAATATTTACTCTTTGACCCCTTACAGAAAAAACCTTGTGACCCCTGCTTTAGAGAAT
GAGAAGCCATGCAGGGATCAGTGATGCCAGAGGAAGGGAAGGAACTGCTCCAGCTATTGTGACAATAA
TAATAATAATAATATGGGTCTTTGACTAGAACGTGAACATTTCCAGGTGTTCTCACTTGTGCTTCCC
ATGTTTATCTTACGGAAGGTCAATCCATCAAGCTTATGGTCACTGTCCCTTATGGCAGTTGGTCTTT
CGTTCTCCCTTTAGCTCTAAGAGTTGGGGAGTACCCACAGGTGAGCTGTGATCTCAGCTCAGAGAGAGA
GCATGAGGTCTTTTAACTGTGAGAAACAGAGCTGTGCCAATTCCACTCAACTTTTGGCACAACCTG
TTAATCTGGGCCTTCACTACCTTAACTGAGTTTCTGCAAGCATAGCATTTTAGACACCCTGGAATAA
CCTTTTGGGAATGATGCCACAGAATAAAGTTCACTCTTAACTTTTCAATTTCTTGGCCAGCTGTCCTC
CGTAAGTGAATAAGCCTGTTGAAAGACTCAGAGAAAGTACTATGTCTTGTCAATTTGTTCTGAGATTAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

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

RefSeq: NM_014444.5

Summary: This gene encodes a component of the gamma-tubulin ring complex, which is required for microtubule nucleation. In mammalian cells, the protein localizes to centrosomes in association with gamma-tubulin. Crystal structure analysis revealed a structure composed of five helical bundles arranged around conserved hydrophobic cores. An exposed surface area located in the C-terminal domain is essential and sufficient for direct binding to gamma-tubulin. Mutations in this gene that alter microtubule organization are associated with microcephaly and chorioretinopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

Locus ID: 27229

MW: 76