OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC309768

MCG10 (PCBP4) (NM_020418) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	MCG10
Synonyms:	CBP; LIP4; MCG10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309768 representing NM_020418. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGAGCGGCTCGGACGGGGGACTGGAGGAGGAGCCAGAGCTCAGCATCACCCTCACGCTGCGGATGCTG ATGCACGGGAAGGAAGTGGGCAGCATCATCGGGAAGAAGGGCGAGACTGTAAAGCGAATCCGGGAGCAG AGCAGTGCCCGGATCACCATCTCCGAGGGCTCCTGCCCTGAACGCATCACCACCATCACCGGGTCTACA GCAGCTGTCTTCCATGCAGTCTCCATGATTGCTTTCAAACTGGATGAGGACCTTTGTGCTGCTCCTGCA AATGGTGGAAATGTCTCCAGGCCTCCAGTGACCCTGCGCCTTGTCATCCCTGCCAGTCAGTGTGGCTCA CTGATTGGGAAGGCTGGCACCAAGATCAAGGAGATCCGAGAGTCCCCACCCAAAGGAGCCACTATCCCC TACCATCCGAGCCTCTCCCTAGGTACTGTTCTTCTCTCTGCCAACCAGGGCTTCTCTGTCCAGGGTCAG TATGGGGCTGTGACCCCAGCTGAGGTCACCAAGCTCCAGCAGCTCTCAAGCCATGCGGTCCCCTTTGCC ACACCCAGCGTGGTGCCAGGACTGGATCCCGGCACACAGACCAGCTCACAGGAGTTCTTGGTTCCCAAC GATTTGATTGGCTGTGTGATCGGGCGCCAGGGCAGCAAGATCAGCGAGATCCGGCAGATGTCAGGGGCA CATATCAAGATCGGGAACCAAGCAGAGGGCGCTGGGGAGCGGCATGTCACCATCACTGGCTCTCCGGTC TCCATCGCCCTGGCCCAGTACCTCATCACTGCCTGTCTAGAGACGGCCAAGTCTACCTCTGGGGGGACG CCCAGCTCGGCCCCCGCAGACCTGCCTGCCCCCTTCTCGCCACCCCTGACGGCCCTGCCCACAGCTCCC CCTGGCCTGCTGGGCACACCCTATGCCATCTCCCTCTCCAACTTCATCGGCCTCAAGCCCATGCCCTTC TTGGCTTTACCACCTGCTTCCCCAGGGCCGCCGCCGGGCTTGGCGGCCTACACTGCCAAGATGGCAGCA GCTAATGGGAGCAAGAAGGCTGAGCGGCAGAAATTCTCCCCCTACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_020418

View online »

Insert Size:	1083 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_020418.3
RefSeq Size:	1962 bp
RefSeq ORF:	1083 bp
Locus ID:	57060
UniProt ID:	P57723
Cytogenetics:	3p21.2
MW:	37.1 kDa

Gene Summary:

This gene encodes a member of the KH-domain protein subfamily. Proteins of this subfamily, also referred to as alpha-CPs, bind to RNA with a specificity for C-rich pyrimidine regions. Alpha-CPs play important roles in post-transcriptional activities and have different cellular distributions. This gene is induced by the p53 tumor suppressor, and the encoded protein can suppress cell proliferation by inducing apoptosis and cell cycle arrest in G(2)-M. This gene's protein is found in the cytoplasm, yet it lacks the nuclear localization signals found in other subfamily members. Multiple alternatively spliced transcript variants have been described, but the full-length nature for only some has been determined. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) encodes the shorter isoform (a). The 5' UTR may be incomplete due to lack of 5'-complete transcript support for this variant, and the presence of alternative splicing choices further upstream.