

Product datasheet for **SC108098**

MGC4368 (NM_024510) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MGC4368 (NM_024510) Human Untagged Clone
Tag: Tag Free
Symbol: MGC4368
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF within SC108098 sequence for NM_024510 edited (data generated by NextGen Sequencing)

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ATGGGCCACCGCAGTGATGTGGAAGCCATCGCAAGCTCATCACCAGCTTCTGGAGCTGC
ACTGCCTTGAGAGCCCCACAGAGCTGTCTCAGAGCAGCGACAGTGAGCCGGTGACCCTG
CAAGCCAGAGCTGACAGCCCCACTGTGCCTGAGCCCGTGACCGCCACAGGACCCATGG
CACATTCCCGGTGTGCCTGAGCCCGTGACCGCCACAGGACCCGTGGCACATTCCCGGT
GTGCCTGAGCCCGTGACCGCCACAGGACCCGTGGCACATTCCCGGTGTGCCTGAGCCC
GTGCACCRCCACAGGACCCGTGGCACATTCCCGGTGTGCCTGAGCCCGTGACCGCCCA
CAGGACCCGTGGCCTTGGCTTCAGTTGGTGCCTCCAGCCGAGTTGGCCTATTGCCTGCTC
ATGCTGCTGCTTGACACTGCATGAAACAGCAGGCCAGACCAGGACATCCAGACTTTCTC
CATCGTGAGGCCTGGGCCTGCCCTTCTGCAGCCGGAGTCTGCCAGCCCTGGACTCCTGC
TTTGGGCCACAGCAAGACCTCGGGCGAGTGGAGAGGCGGNNNNNNNNNNCCCTTGTGGGT
GCTGATGCTGCATGTTGTCCCCGACACAGCGTCTCTCCCTGGTGGACATCCCCAGCGGT
CAGGGTGCTTCCCAAGGCAGTGA
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Clone variation with respect to NM_024510.2
308 c=>r;580 c=>n;581 c=>n;582 c=>n;583 a=>n;584 c=>n;585 g=>n;586 c=>n;587 c=>n;588 g=>n;589 c=>n



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024510 unedited</p> <pre> ATACGACTCATTATAGGGCGGCCGCAATTCGGCACGAGGGACCCCTCCTCTGTAGAGA GTGGTGTGCCCTCTCGGGATGTACCTGCAGGTGGAGACCCGACCAGCTCCCGCCTCCA TCTGAAGAGGGCTCCAGGCATCCGGTCTGGTCCCTGCTGGTTGATAACCTGGGCTGGAA GCTCTTACGTACAGGCTGCCTGTTTGTGGCTGTGCAGAACTGGAGGACTGGGAGGA AGCCATCTTCGACAAGACACAGGGAAGTTGTTTTGAAGACGTTACGCCCTACAAGAA GCTGTGACTCTTTTCAGAGCTGGCCACGACCAGGTGGTGGTCTGCTCCATGATGTCCG TGATGTGAGCGTGGAGGAGGAGAAGGTCCGGTACTTCGGGAAAGGCTACATGGTGGTGT CCGGCTTGCGACGGGCTTCTCCACCCCTCACGCAGAGTGCAGTCATGGGCCACCCGAG TGATGTGGAAGCCATCGCCAAGCTCATCACCAGCTTCTGGAGCTGCACTGCCTTGAGAG CCCCACAGAGCTGTCTCAGAGCAGCAGTGCAGGCGGTGACCTGCAAGCCAGAGCTG ACAGCCCCACTGTGCTGAGCCGTGCACCGCCACAGGACCCATGGCACATTCCCGGTG TGCTGAGCCGTGCACCGCCACAGGACCCGTGGCACATTCCCGGTGTGCTGAGCCCG TGCACCGCCACAGGACCCGTGCACATTCCCGTGTGCTGACCCGTGCCCGCCACAGGAC CCGTGCACATTCCCGTGTGCTGAGCCGTGCACCGCCACAGGACCCGTGCCTTGCTTCAG TTGGTGCCTCAGCCGAGATGCCTATGCCTGCCATGCTGCTGCCACTGATGAACAGCA GNCAGACCAGACATCAGACTTCTCATGGAGT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024510 unedited</p> <pre> GCGGCCGCTTTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACACGTGAAGGGTATTT ATGTTATGATGACCCTGCTGCAACGAGGGACTGGCAGCCACTACTGAGGAGGAGGGT CCCATCTCTCTCTGTGCGCTTTCACCGAGGTACAGCCAGACGTGGGGCAAAGGTGTC CCTGTCTACCCAGCCATTCTGGGCTGCCGCTAGGGGCTCACAGGGCCAGGAGTCC CCAGTACAGGCCAGGGCATCAGGCCAGGCGGCTCGGTGCACACCCGACCTGGGAGGA CCTGGGTACACTCAGGAGACCAAGAGCACTGGCGGTCAGGATGGTTGGCGTTCAGCTCC TACGGGTGGGGAGAAGTCTGTACCCGAGAGCCATCCCTCCTGCCAGGACTTCCAG GTTGAGAGAGGCTGAACTCAATTTCTGCAGAAAATCTCCAGTTTTTCTGTTTGGTT AGTTTTTTTACAAAGACAGGATCTTGCTGAGCTGCCAGGCTGGACTTGAATCTGGCC TCAAGCAATCCTCCACCCTCGGACTCCGAAAGTGTGGGATTACTGGCATGAACACTG CGCCCGGTGGAGCTCCCGTTTTTAAGCCCTGCACGATACTATAAGAGCTGACCTTCT TCTGGCCTCACAGCTTATGCCGAACCTGAGTGCAGAACAATAGAGACCTTCTGTGACG ACCGCTGTGGCAGAGTGGTCTATGCGCCGAGATCTGCATTCAACAAGGATGCGGCTCCT CGGGGAAGGCAGCTACCAAGTGTGGCTGCGACGTGCCAGACAGGTATGCCCGGAGGCC ACCCCTACTCGCCTTGGGTATCACCTGACGCTCGGGAGTCCACCAGGAAATGACCTGTGT CTGGACCACTGCCATCCACCCCAAGGCACGGTCCGCTCACCTCTACCCAGGACTG CCGACCC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024510
Insert Size:	1960 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024510.2</u> , <u>NP_078786.2</u>
RefSeq Size:	2250 bp
RefSeq ORF:	2250 bp
Locus ID:	79415
Cytogenetics:	17q25.3
Protein Families:	Transmembrane
Gene Summary:	Necessary for a stable expression of the CYBA and CYBB subunits of the cytochrome b-245 heterodimer. Controls the phagocyte respiratory burst and is essential for innate immunity. [UniProtKB/Swiss-Prot Function]