

Product datasheet for **SC309814**

MACF1 (NM_012090) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MACF1 (NM_012090) Human Untagged Clone
Tag:	Tag Free
Symbol:	MACF1
Synonyms:	ABP620; ACF7; LIS9; Lnc-PMIF; MACF; OFC4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012090, the custom clone sequence may differ by one or more nucleotides <pre> ATGTCTTCCTCAGATGAAGAGACGCTCAGTGAGCGGTCATGTCGGAGTGAGCGGCTTTGT CGGAGTGAGCGATCTTACAGGAGCGAGCGGTCGGGGAGCCTGTCTCCCTGTCCCCAGGG GACACCTTGCCCTGGAACCTGCCACTGCATGAGCAGAAAAAGCGAAAAGCCAGGATTGCG GTGCTGGACCCTGCAGAGCGTGTGTGGTCAGAGTCGCTGATGAACGGGACCGGGTTCAG AAGAAAACGTTACCAAGTGGGTCAACAAGCACTTAATGAAGGTCCGCAAGCACATCAAT GATCTTTATGAAGATCTCGGGATGGCCATAACCTGATCTCTCTGTTGGAGGTCCTCTCA GGCATCAAACCTGCCCCGGGAGAAGGGCAGGATGCGTTTTTCATAGGCTGCAGAATGTGCAG ATTGCCCTGGACTTCCTAAAGCAGCGACAGGTGAACTAGTGAATATTGCAATGATGAC ATCACAGATGGCAACCCCAAGTTGACCCTGGGTCTGATCTGGACCATTATTTTGCAATTC CAGATCTCTGACATCTACATTAGTGGAGAATCAGGGGATATGTCAGCCAAGGAGAACTA CTCCTGTGGACCCAGAAGGTGACAGCTGGTTACACAGGAATCAAATGCACCAACTTTTCC TCCTGTGGAGTGATGGGAAGATGTTCAATGCACTCATTACCGATACCGACCCGATCTA GTAGACATGGAGAGGGTGCAAAATCCAAAGTAACCGAGAGAATCTGGAACAGGCTTTTGAA GTGGCAGAAAGACTGGGGTCACTCGCCTGCTGGATGCAGAAGATGTGGATGTGCCATCT CCAGATGAAAAGTCTGTAATCACTTATGTGTCTTCGATTTATGATGCCTTCCCTAAAGTT CCTGAGGGTGGAGAAGGGATCAGTGCTACGGAAGTGGAAGTCCAGGTGGCAAGAATACCAA AGCCGAGTGGAAGTCCCTCATTCCCTGGATCAAACAGCATACAATACTGATGTCAGATAAA ACTTTTCCCCAAACCTGTTGAACTAAAGGCACTTTATAACCAATATATACACTTCAAA GAAACAGAAATCTGGCCAAGGAGAGAGAAAAAGGAAGATTGAGGAATTATATAAATTA CTAGAGGTGTGGATTGAATTTGGCCGAATTAACTGCCTCAAGGTTATCACCTAATGAT GTGGAAGAAGAGTGGGAAAGCTCATCATAGAGATGCTGGAACGAGAGAAATCACTTCGG CCGGCTGTGGAGAGGCTGGAATTGCTGCTACAGATTGCAAAACAAATCCAGAATGGTGCT TTGAACTGTGAAGAAAACTGACACTAGCTAAGAATACTGCAGGCTGATGCTGCTCAC CTGGAATCAGGACAACCGGTACAATGTGAGTCAGATGTCATTATGTACATTGAGGAGTGT GAAGGTCTCATCAGGCAGCTGCAGGTGGATCTCCAGATCCTGCGGGATGAGAATTACTAC CAGCTAGAAGAGCTGGCTTTTAGGGTCATGCGTCTTCAGGATGAGCTGGTCACCTTGCGT CTAGAGTGTACAAACCTGTACCGGAAGGGTCATTTCACTTCACTTGAATTGGTTCCACCC TCTACTTTAACCACCACTCATCTGAAAGCAGAACCCCTTAACCAAGGCAACCCATTCTTCT TCTACCTCCTGGTTCCGAAAGCCTATGACTCGGGCTGAACTTGTGGCCATCAGCTCCTCT </pre>


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Restriction Sites:

Please inquire

ACCN:

NM_012090

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.
RefSeq:	<u>NM_012090.3</u> , <u>NP_036222.3</u>
RefSeq Size:	17821 bp
RefSeq ORF:	16293 bp
Locus ID:	23499
UniProt ID:	<u>Q9UPN3</u>
Cytogenetics:	1p34.3
Domains:	CH, spectrin, EFh, GAS2
Gene Summary:	This gene encodes a large protein containing numerous spectrin and leucine-rich repeat (LRR) domains. The encoded protein is a member of a family of proteins that form bridges between different cytoskeletal elements. This protein facilitates actin-microtubule interactions at the cell periphery and couples the microtubule network to cellular junctions. Alternative splicing results in multiple transcript variants, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, May 2013] Transcript Variant: This variant (1) differs in the 5' UTR, which includes a part of the coding region, as compared to variant 2. The resulting isoform (a) has a distinct and shorter N-terminus, as compared to isoform b.