

Product datasheet for **SC319907**

MMAB (NM_052845) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMAB (NM_052845) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMAB
Synonyms:	ATR; cb1B; CFAP23; cob
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_052845.3
 GTCAAGCAGCCTGGCTCATGGCTGTGTGCGGCCTGGGAGCCGTCTTGGCCTGGGGAGCC
 GTCTTGGCCTGCGCGGTGCTTCGGCGCCGCCAGGCTCCTGTATCCCCGTTTCCAGAGCC
 GCGGCCCTCAGGGCGTGAAGACGGGACAGGCCACAGCCTTCTCGAAGACACCCAGGA
 TCCCAAGATTTACACAAAACGGGAGACAAAGGGTTTTCTAGTACCTTACAGGAGAAA
 GGAGACCCAAAGATGACCAAGTGTGTTGAAGCCGTGGAACTACAGATGAATTAAGTTCAG
 CTATTGGGTTTGCTCTGGAATTAGTACAGAAAAGGCCATACATTTGCCGAAGACCTTC
 AGAAAATCCAGTGACATTGACAGGACGTGCGCTCGGCCCTGGCGACACCATGCTCCTCGG
 CCCGGGAGGCTCACTTAAAGTATACCACGTTCAAGGCGGGGCCATCCTGGAGCTGGAGC
 AGTGGATCGACAAGTACACCAGCCAGCTCCCACCACTCACGGCCTTCATCCTGCCTTCGG
 GAGGCAAGATCAGCTCGGCGCTGCATTTCTGCCGGCCGTGTGCCCGGGCCGAGAGAC
 GTGTGGTGCCTTGTCCAGATGGGAGAGACCGATGCGAAGCTGGCCAAGTTCTTAAACA
 GACTCAGTGACTATCTTTCACGCTAGCCAGATATGCAGCCATGAAGGAGGGGAATCAAG
 AGAAAATATACATGAAAATGACCCATCGGCCGAGTCTGAGGGACTCTGAAATCACAGAA
 AGTGGGAGCTTGGAGGATCCCTCCATGGCGATGGCCGTGGAGAGAGGAGCTTGCCTTCT
 GGGTCTCGTTCCTGAAGAGCTCACCCAGAGAGGCTCAAAGCAGCCTTTTGTCCAGCT
 CAGCTTTGATCTACACCTCTTGCCACCTTCTCAAGGGACTGTGACCCTTTGGGGATTCT
 GTCCCTGACCCTGCTTCCCAAGCTCTCCTGGGTCTTGGAGGGATGTGGGAATGAATTGG
 CATTGCAGGAAAGACAGGTAAAGTGATTGCTGCAATGAGAAGGAGCTGTGCGGAAAAGGA
 ATAAAAGTTGAAAGGCTGGAGCCGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
 GTGTGTGTGAGAGAGAGCCCTCCCACTGCCAGCTCAGGTTGTTACAGATTTGGAATGGG
 ACCAGAGGCCCTTGAATAATGTAATTGTGATTTACCTGTGCAAAGGTGCTTAAATGTCA
 CATTGTAAAGGGGAAGGCGGACAAGATTTGGAAGTTTGTGACCTCTGAGCCACCCATCA
 ACCGCCAAAGTGTGGGGGAAGGATAGCTGCAGATTGACAGGCGAGGCTCAGAAAACCTCG
 GCTTAGATTGAAGTGTGTGTGATGGGGTGCAGCTTAGAGGACCCCTCTGAAAGGGATG
 GAGATGCTGATGAGAACAACACTACCACTTGAAGGTGAACATTCCTGTCTGGTTGGACT
 GAGTCAAGGGTCTGCGGTGCAGCATCTTCAGCTTGAAGAAATGAGGTTGTCAGTTTCCAG
 CAAGGCTGACATCCACCAGACTGATTTCTCCGATGTTGCACTTGGCTGGCTTATGCCTCT
 GAGATCGGTGCCACGGCTGATTTATTTTTCAGTTGCTACTGCTCCCTCCTGCTATGAA
 ACGACTGCCAGTGCCAGCAGTGCCTTGGGAAAGGCAATATTTATGAAGGGCAGAAGA
 GGCAGCCCAAGAACCTAAAGACTGCAGGCTGCTAATTGCAGGAAATGACTTTGGAAGGG
 CAGGCTCTTGTCCAGTTTCAAGGCTGAAATGCCTGGCGAACTCCATTACGCCATCACATA
 TTGACTGAGTGGCTGCTTAGCATGGGCCACCGCTAGGCTCGGGACAGCTGGTCTTTCC
 GGCCATCTTTCTTGTGGCAAGTCAGCAAAACATTACCTTCTTAGTCACGTGCATATTTTT
 GCCTTCATTTTACCACCTGGCCTGCAAAGTTTGACAGGAGGGCCAGGTATATTCACTTGT
 GTCTTCTGGGTCCTTTCATTGCTGACAGGCTGTGATGGCCCTCTTGAGCCTTGGGCAGGG
 TGGGTGAGGTGCAGATGACCAGGAGTGTGTAATGCCTTCCAGGAGGTGGCTTTGTTCCG
 TGCTCCCTGCCCCATCGTCACTACCAGTCTGGTACGGAGTGGTGTCTCAGTGTTCG
 AAAACAGAGCTGAAAACGGACTTTGGGAGGCCGAGGCAGGACAGATCACCTGAGGTCAGGA
 GTTTGAGACCAGCTGGTCAACATGGTAAAACCCCATTTCTGCTAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_052845

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:	<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_052845.3 , NP_443077.1
RefSeq Size:	4154 bp
RefSeq ORF:	753 bp
Locus ID:	326625
UniProt ID:	Q96EY8
Cytogenetics:	12q24.11
Domains:	DUF80
Protein Pathways:	Metabolic pathways, Porphyrin and chlorophyll metabolism
Gene Summary:	<p>This gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12) into adenosylcobalamin (AdoCbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic aciduria linked to the cblB complementation group. Alternatively spliced transcript variants have been found. [provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (1) encodes a functional protein.</p>