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Product datasheet for SC114999

MYBBP1A (NM_014520) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYBBP1A (NM_014520) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYBBP1A
Synonyms:	P160; PAP2; Pol5
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014520, the custom clone sequence may differ by one or more nucleotides

ATGGAGAGCCGGGATCCCGCCCAGCCGATGTCGCCTGGAGAAGCGACGCAGAGTGGCGCCCGGCCTGCCG
ACCGCTATGGCCTATTGAAGCACAGTCGCGAGTTCTTGGACTTCTTCTGGGACATTGCGAAGCCTGAGCA
GGAGACGCGACTTGCGGCCACGGAGAAGCTGCTGGAGTATCTGCGTGGCAGGCCGAAGGGGTCCGAGATG
AAATATGCCCTGAAGCGTCTAATCACGGGACTCGGGGTCGGGCGAGAAACAGCCCGGCCCTGCTACAGTT
TGGCCCTGGCACAGCTGTTACAGTCTTTTGAAGACCTCCCCTTGTGCAGCATCCTGCAGCAGATACAAGA
AAAATATGACCTGCATCAGGTGAAGAAGGCAATGCTGAGACCTGCTCTCTTTGCAAACCTGTTTGGAGTG
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AGGCCCTGGCCCAGTACCAAAACCACTTGCAGGAGCAGCCCCGGAAGGCCCTGGTGGACATCCTCTCCGA
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GATCCGTGAACCTATTCTCAGATGAGAATGTCCCCAGGCTGGTGAATGTGCTGAAGATGGCCGCCTCCTC
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TTCCCACGGTTCTGGAAGGAGGTGGTGGAACAAGGGCTGCTGAAGATGCAGTTCTGGCCAGCCAGCTACC
TGTGTTTCCGCCTGCTGGGCGCGGCCCTGCCCCTGCTGACCAAGGAGCAGCTGCACCTGGTGATGCAGGG
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GAGATGGACGATTACGTGGGCACCTTCCTAGAGGGGTGCCAGGATGACCCTGAGCGGCAGCTGGCCGTGC
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CCTGAGCCCTCCGGCCCTGCAGGGCTATGTGGCCTGGCTGCGGGCCATGTTTCTCCAGCCAGACCTGGAC
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CTGTGTTCCGGCTGAGGAAATGGATCATCTTTCGATTGGTGAGCATTGTGGACAGCCTGCACCTGGAGAT
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GCAGTGCCTTCTTCAGTCTGTTGCAGACCCTCAGCACGCAGTTCAAGCAGGCACCGGGCCAGACCCAGGG
TGGGCAGCCCTGGACCTACCACCTGGTGCAGTTCGCAGACCTCCTGTTGAATCACAGCCACAACGTGACC

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ACCGTGACACCCTTCACTGCGCAGCAGCGCCAGGCCTGGGACCGGATGCTGCAGACTCTGAAGGAGCTGG
AGGCCCACTCCGCAGAGGCCAGGGCTGCTGCCTTCCAGCACCTTCTGCTCCTCGTGGGCATCCACCTCCT
CAAGTCCCCTGCAGAGAGCTGTGACCTGCTGGGTGACATCCAGACCTGCATCAGGAAAAGTCTGGGAGAG
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TGAAGGGCAACACTGCTGAGGGCTGCGTGCATGAGACACAGGAGAAGCAGAAAGCTGGCACTGACCCCAG
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AGGGGGTCTTGGGCAAATCACCACTGTCCGCGCTGGCACGGAAAAAGGCAAGGCTGTCTTTGGTCATCAG
GAGTCCCAGCCTGCTTCAGAGTGGGGCCAAGAAGAAAGCACAGGTGAGGAAGGCAGGGAAGCCCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014520 unedited
CCCCCCTTTTCCCCGCCCGTTGNCGCTATGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT
ATAAGCAGTACTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCG
GCCGCGAATTCGGCACGAGGCACGTGTTTCGTGTTTCGGTGAGTGTGGCGGAGATGGAGA
GCCGGGATCCCGCCCAGCCGATGTCGCCTGGAGAAGCGACGCATAGTGGCGCCCGGCCTG
CCGACCGCTATGGCCTATTGAAGCACAGTCGCGAGTTCTTGGACTTCTTCTGGGACATTG
CGAAGCCTGAGCAGGAGACGCGACTTGCGGCCACGGAGAAGCTGCTGGAGTATCTGCGTG
GCAGGCCGAAGGGGTCCGAGATGAAATATGCCCTGAAGCGTCTAATCACGGGACTCGGGG
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TTGAAGACCTCCCCTTGTGCAGCATCCTGCAGCAGATACAAGAAAAATATGACCTGCCTC
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AGCCGACCTGAATTAATACTCAGTTCCCCTGAACAGATAGAGCTTTTCCTTCTGGCCCAC
AGAAGGGGCCCTCCAGCTTACAAACTGGGGGGATCCGGACCCTATTTCAATGAGAGGTCC
C

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014520 unedited
NCCGAAATACTATGTACCGCGCCGCTATCTANGATCGGTTTTTTTTTTTTTTTTTTTTT
AAAAAAGAAGCCAAATATATTCCTCTTGTAAATGAAGAAATAAACCTATTTAAATCACCC
CCTGGTGGCTCCCTCACAGCAAAAAAGCCTGGGGGCAAAGAGGTGGCAGGCACGAGAGAT
GGTCACACCTGCCTGCAGCCAGCACATCAACCTGCACCAACCCAGGCAAACACCAGAGCC
CTGGACATGGCCCTGGAGCCAGGGTCCCAGCCCAGAACCGGGGGTGGGGAGGTCTCTGCA
CCCTGGGACCCCTGCAGGAATGGCTCAAGCTGTGCTTGCCAGAGCAGGATGCCCGGGCAG
GCGGCAACAGCCACCCTCCCCAGTGGCAGCGCCTTAAAAACAGCTTGCGTATTAAAATCA
TGGTTTTAAAAAAAAAAAAAAAAATAGGCGTCTCAAGCAAATGGAGGCAGGGGCTGAGGG
GGGCCCGTACCTGTGCTCAGGGCTTCCCTGCCTTCCTCACCTGTGCTTTCTTCTTGGCCC
CACTCTGAAGCAGGCTGGGACTCCTGATGACCAAAGACAGCCTTGCCTTTTTCCGTGCCA
ACGCGGACAGTGGTGATTTGCCCAAGACCCCCTTTTTGGGAAGAGCCTTCTGATGCTGCT
TTTGGCCTGCCAGTTCCGTGGGGGACCCCGGAGCTCCATTTCCCTGGACGGCTTCTGGTT
TTCTTCTGCAGTTTTGGGGATTTTGCAAGGGTGCTGGGGCTCCCGGTGGGGCGCCCCGGG
CTGGCTCTTGGTGGTGGGCGTCCCTTTGCCTGGGCTGGACCTTAACCTTGGCCCGTTTCT
CTTTTTCTGCCCCAGCTGGGGGGGTGGCTCCCA

Restriction Sites: ECoRI-NOT

ACCN: NM_014520

Insert Size: 4700 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:
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_014520.1, NP_055335.1

RefSeq Size: 4538 bp

RefSeq ORF: 3987 bp

Locus ID: 10514

UniProt ID: Q9BQG0

Cytogenetics: 17p13.2

Domains: DNA_pol_V

Protein Families: Stem cell - Pluripotency, Transcription Factors

Gene Summary: This gene encodes a nucleolar transcriptional regulator that was first identified by its ability to bind specifically to the Myb proto-oncogene protein. The encoded protein is thought to play a role in many cellular processes including response to nucleolar stress, tumor suppression and synthesis of ribosomal DNA. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
Transcript Variant: This variant (2) differs in the 3' structure resulting in a novel 3' coding region and 3' UTR compared to variant 1. The encoded isoform (2) is shorter than isoform 1.