

Product datasheet for RC208514

MYBBP1A (NM_014520) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYBBP1A (NM_014520) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MYBBP1A
Synonyms:	P160; PAP2; Pol5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208514 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGCCGGGATCCCGCCAGCCGATGTCGCCTGGAGAAGCGACGCAGAGTGGCGCCCGCCTGCCG
ACCGCTATGGCCTATTGAAGCACAGTCGCGAGTCTTGGACTTCTTGGGACATTGCGAAGCCTGAGCA
GGAGACGCGACTTGGCCACGGAGAAGCTGCTGGAGTATCTGCGTGGCAGGCCGAAGGGTCCGAGATG
AAATATGCCCTGAAGCGTCTAATCACGGGACTCGGGTGGGCGAGAAACAGCCCGCCCTGCTACAGTT
TGGCCCTGGCACAGCTGTTACAGTCTTTGAAGACCTCCCCTTGTGCAGCATCCTGCAGCAGATAACA
AAAATATGACCTGCATCAGGTGAAGAAGCAATGCTGAGACCTGCTCTTTGCAAACCTGTTTGGAGTG
CTCGCCCTCTTTCAAGTCAGTCCGCTGGTGAAGGACCAGGAGGCACTGATGAAGTCGGTGAAGTCTGC
AGGCCCTGGCCAGTACCAAAACCACTTGCAGGAGCAGCCCGGAAGGCCCTGGTGGACATCCTCTCCGA
GGTCTCGAAGGCCACATTGCAGGAGATCCTGCCGAGGTCCTCAAAGCCGACTTGAATAAATACTCAGC
TCCCCTGAACAGCTAGAGCTCTTCTCCTGGCCAGCAGAAGGTGCCCTCAAAGCTCAAGAAGCTGGTGG
GATCCGTGAACCTATTCTCAGATGAGAATGTCCCAGGCTGGTGAATGTGCTGAAGATGGCCGCCTCCTC
TGTGAAGAAGGACCGCAAGCTGCCCGCCATTGCTCTGGACCTGCTCCGCCTGGCGCTCAAGGAAGACAAG
TTCCCACGGTTCTGGAAGGAGTGGTGAACAAGGGCTGCTGAAGATGCAGTTCTGGCCAGCCAGTACC
TGTGTTTCCGCCTGCTGGGCGCGCCCTGCCCTGCTGACCAAGGAGCAGCTGCACCTGGTATGCAGGG
AGACGTGATCCGCCATTACGGGGAGCACGTGTGCACTGCTAAGCTCCCAAAGCAGTTCAAGTTTGCSCCA
GAGATGGACGATTACGTGGGCACCTTCTAGAGGGGTGCCAGGATGACCTGAGCGGCAGCTGGCCGTGC
TAGTGGCCTTCTCATCTGTACCAACCAAGGCCTCCCTGTACGCCTACTTTCTGGCGGGTCTGCGGTT
CCTGAGCCCTCCGGCCCTGCAGGGCTATGTGCCTGGCTGCGGGCCATGTTTCTCCAGCCAGACCTGGAC
TCCTTGGTTGACTTCAGCACCAACAACCAGAAGAAAGCCAGGATTCATCGCTCCACATGCCTGAGCGAG
CTGTGTTCCGGCTGAGGAAATGGATCATCTTTCGATTGGTGGACATTGTGGACAGCCTGCACCTGGAGAT
GGAGGAGCCCTTACTGAGCAGGTGCCAGGTTTTGTTTCCACTCGTCTTTGTACAAAGAAGCC



[View online »](#)

ACATCCCAGATCCCTGAGACAAAGCACCCGTTCTCCTTCCCTTTGGAAAACCAGGCCGAGAGGCTGTCA
 GCAGTGCCTTCTTCAGTCTGTTGCAGACCTCAGCACGCAGTTCAAGCAGGCACCCGGCCAGACCCAGGG
 TGGGCAGCCCTGGACCTACCACCTGGTGCAGTTTCGCAGACCTCCTGTTGAATCACAGCCACAACGTGACC
 ACCGTGACACCCTTCACTGCGCAGCAGCGCCAGGCCTGGGACCGGATGCTGCAGACTCTGAAGGAGCTGG
 AGGCCACTCCGCAGAGGCCAGGGCTGCTGCCTCCAGCACCTTCTGCTCCTCGTGGGCATCCACCTCCT
 CAAGTCCCCTGCAGAGAGCTGTGACCTGCTGGTGACATCCAGACCTGCATCAGGAAAAGTCTGGGAGAG
 AAGCCCCGCCGGAGCCGACCAAGACCATCGACCCCCAGGAACCCCGTGGGTAGAGGTGCTGGTGGAGA
 TCTTGTGGCCCTGTTGGCCAGCCAGCCACCTCATGCGCCAGGTGGCCCGGAGCGTGTGGCCACAT
 CTGCTCCACCTGACCCCGCTGCCCTGCAGCTAATTCTGGATGTGCTGAACCCCGAGACCAAGTGGAT
 GAGAATGACCGTGTGGTGGTGCAGGACGATTCTGATGAGCGCGGCTGAAGGGTGCAGAGGACAAGAGCG
 AGGAAGGTGAGGACAACAGAAGCTCAGAGAGTGAAGAGGAGAGCGAGGGGGAGGAGAGCGAGGAGGAGGA
 GCGCGACGGGGACGTGGATCAGGGCTTCCGGGAACAGCTGATGACCGTGTGCAGGCTGGGAAGGCGCTG
 GGTGGAGAGGACAGTGAACGAGGAGGAGCTGGGGATGAGGCCATGATGGCCCTGGACCAGAGCCTCG
 CCAGCCTCTTTGCCGAGCAGAAGCTGCGTATCCAGGCCCGGCGAGACGAGAAGAACAAGTGCAGAAGGA
 GAAGGCTCTGCGCGCGACTTCCAGATCCGGGTGCTGGACCTGGTGGAGGTGCTAGTGACCAAGCAGCCC
 GAGAATGCCCTGCTGCTGGAGCTGCTGGAGCCGCTGCTGAGCATCATCCGGCGCAGCCTGCGCAGCAGCA
 GCTCCAAACAGGAGCAGGACCTTCTGCACAAGACGGCGCGCATCTTACCGCACCACTGTGCCGTGCCCCG
 GCGTACTGCCACGACTTGGGTGAGCGCGCAGGGGCCCTGCACGCCAGGTGGAGCGTTGGTGCAGCAG
 GCTGGCCGCCAGCCGACTCCCCACCGCCCTCTACCCTTCAACGCCTCTCTACCTGCTCCGGGTCT
 TGAAGGGCAACTGCTGAGGGCTGCGTGCATGAGACACAGGAGAAGCAGAAAGCTGGCACTGACCCAG
 CCATGCCCACGGGCCGAGGCTGCCAGCTGCTTGGACTTGAACCTGGTGACCCGGGTGACTCGACA
 GCACTGAGCTCCTTCTGACCAAGCGCAACAGCCCCCTCACAGTCCCATGTTCTCAGCCTCTTCTCCC
 GGCACCCGGTCTGTGTCAGAGCCTGCTCCCCATCCTGGTCCAGCATATCACGGGCCGGTGGCCCCCG
 TGCTCAGGCCTGCTGCTCCAGAAGACCCTGTCCATGCGGGAGGTGAGGTGCTGCTTTGAGGACCCC
 GAGTGAAGCAGCTGATGGGCCAGTCTAGCAAAGGTACCCGAGAACTTGCAGCTGCTGGGGAGGCGC
 AGACCAAGGCGCAGCATCAGCAGGCACTGCTCCTCCCTGGAGCTGCTCAACGTTCTCTCAGGACCTGCAA
 ACATGAGAAGCTGACCTTGGACCTGACGGTGTCTGGGTGTGCTGCAGGGGCAACAGCAGAGCCTACAG
 CAGGGGGCACACTCCACCGGCTCCAGCCGCTGCACGACCTCTACTGGCAGGCCATGAAAACCTGGGAG
 TCCAGCGCCCAAGTTGGAGAAGAAGGATGCCAAGGAGATCCCCAGTGCCACCCAGAGCCCCATCAGTAA
 GAAGCGGAAGAAAAGGGATTCTTGCCAGAGACGAAGAAGCGCAAGAAACGCAAGTCAAGGATGGCAGC
 CCAGCGGAGGATGGCACACCTGCAGCCACCGGCGGGAGCCAGCCCCCAGCATGGCAGGAAGAAGAGGA
 ACAGGACAAAGGCTAAGTCCCAGCCCAGGCAAACGGGACGCCAACCACCAAGAGTCCAGCCCCTGGCGC
 CCCCACCCGGAGCCCCAGCACCCCTGCCAAATCCCCAAAAGTGCAGAAGAAAACCAAGACCGTCCCAG
 GTGAATGGAGCTCCCGGGTCCCCACGGAACCTGCAGGCCAAAAGCAGCATCAGAAGGCTTTCCAAAA
 AGGGGGTCTTGGGCAATCACCCTGCTCCGCGTGGCACGGAAAAGGCAAGGCTGTCTTTGGTCATCAG
 GAGTCCCAGCCTGCTTCCAGAGTGGGGCCAAAGAAGAAGCACAGGTGAGGAAGGCAGGGAAGCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208514 protein sequence
Red=Cloning site Green=Tags(s)

MESRDPAQPMSPGEATQSGARPADRYGLLKHSREFLDFFWDIAPKEQETRLAATEKLLLEYLRGRPKGSEM
 KYALKRLITGLGVGREARPCYSLALQLLQSFEDLPLCSILQQIQEKYDLHQVKKAMLRPALFANLFGV
 LALFQSGRLVKDQEALMKSVKLLQALAQYQNHLEQPRKALVDILSEVSKATLQEIPEVLKADLNIIIS
 SPEQLELFLLAQQKVPKLLKLVGSVNLFSDENVPRLVNVLKMAASSVKKDRKLPALDILLRLALKEDK
 FPRFWKEVVEQGLLKMQFWPASYLCFRLLGAALPLLTKQLHLVMQGDVIRHYGEHVCTAKLPKQFKFAP
 EMDDYVGTFLLEGQDDPERQLAVLVAFSSVTNQGLPVTPTFWRVVRFSPALQGYVAVLWFLQPDLD
 SLVDFSTNNQKAQDSSLHMPERAVFRLRWIIFRLVSI VDSLHEMEEALTEQVARFCLFHSFFVTKKP
 TSQIPETKHFFSFPLENQAREAVSSAFFSLLQTLSTQFKQAPGQTQGGQPWYHLYVQFADLLNHSNVT
 TVTPFTAQQRQAWDRMLQTLKELEAHSAEARAAAFQHLLLVGIHLLKSPAESCDLLGDIQTCIRKSLGE
 KPRRSRTKTIDPQEPWVEVLVEILLALLAQPSHLMRQVARSVFGHICSHLTPRALQLILDVLPETSED
 ENDRVVVTDSDERRLKAEDKSEEGEDNRSSESEEESEGEESEEEERDGDVDQGFREQLMTVLQAGKAL
 GGEDSENEEELGDEAMMALDQSLASLFAEQKLRIQARRDEKNLQKEKALRRDFQIRVLDLVEVLVTKQP
 ENALVLELLEPLLSIIRSLRSSSSKQEQDLLHKTARIFTHHLCRARRYCHDLGERAGALHAQVERLVQQ
 AGRQPDSPALYHFNASLYLLRVLKGNTAEGCVHETQEKKAGTDP SHMPTGPQAASCLDLNLVTRVYST
 ALSSFLTKRNSPLTVPFMLSLSRHPVLCQSLLPILVQHITGPVRRRQACLLLQKTLMSREVRSCFEDP
 EWKQLMGQVLAKVTENLRLVGEAQTKAHQALSSLELLNVLFRTCKHEKLTLDLTVLLGVLQGGQQLQ
 QGAHSTGSSRLHDLYWQAMKTLGVQRPKLEKDAKEIPSATQSPISKRRKKKGFLPETKKRKKRSKEDGT
 PAEDGTPAATGGSQPPSMGRKKRNRTKAKVPAQANGTPTTKSPAPGAPTRSPSTPAKSPKLQKKNQKPSQ
 VNGAPGSPTEPAGQKQKALPKKGVLGKSPLSALARKKARLSLVIRSPSLLQSGAKKKAQVRKAGKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6293_h09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

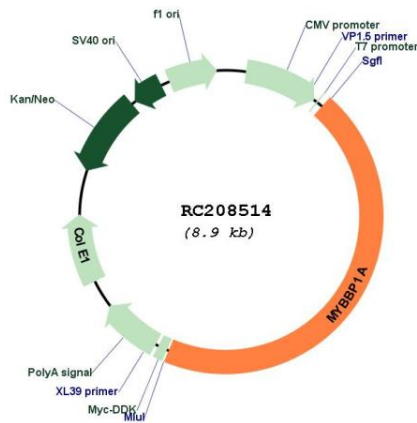


ACCN: NM_014520

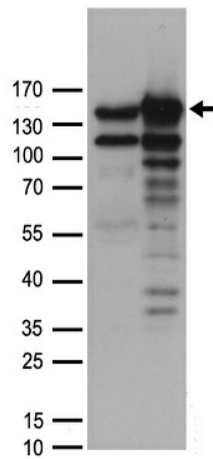
ORF Size: 3984 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_014520.4
RefSeq Size:	4585 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
MW:	148.9 kDa
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]

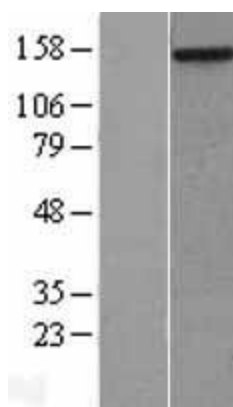
Product images:



Circular map for RC208514



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MYBBP1A (Cat# RC208514, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYBBP1A antibody (Cat# [TA890056]). Positive lysates [LY415222] (100ug) and [LC415222] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY415222]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208514 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).