

Product datasheet for RC204360

HNRPAB (HNRNPAB) (NM_031266) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPAB (HNRNPAB) (NM_031266) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HNRPAB
Synonyms:	ABBP1; HNRPAB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC204360 representing NM_031266 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGAAAGCGGGCGAGGAGCAGCCCATGGAGACGACGGGCGCCACCGAGAACGGACATGAGGCCGTCC
CCGAAGGCGAGTCGCGGGCCGGGCTGGCAGGGCGCCGCGGGGGCTGGAGGCGGACCGGGCGCC
CCCGAGCGGGAATCAGAACGGCCGCGAGGGCGACCAGATCAACGCCAGCAAGAACGAGGAGGACCGGGGA
AAAATGTTGTTGGTGGCTGAGCTGGGATACTAGCAAAAAGATTTAAAAGACTATTTTACTAAATTTG
GAGAGGTCGTTGACTGTACAATAAAAATGGATCCCAACTGGACGGTCAAGAGGTTTGGGTTTATCCT
GTTCAAAGATGCAGCCAGTGTGGAGAAGTCTAGACCAGAAGGAGCACAGGCTGGATGGCCGTGTCATT
GACCCTAAAAGGCCATGGCTATGAAGAAGGACCCGGTGAAGAAAATCTTCGTTGGGGTCTGAATCCTG
AAGCCACTGAGGAAAAGATCAGGGAGTACTTTGGCGAGTTTGGGAGATTGAGGCCATTGAATGGCAAT
GGATCCAAAGTTGAACAAAAGACGAGGTTTTGTGTTTACACTTTAAAGAAGAAGAACCCTGAAGAAG
GTTCTGGAGAAAAGTTCCTACTGTCAAGTGAAGCAAGTGTGAGATCAAGTGGCCAGCCAAAGAAG
TCTATCAGCAGCAGCAGTATGGCTCTGGGGCCGTGGAACCGCAACCGAGGGAACCGAGGCAGCGGAGG
TGGTGGTGGAGGTGGAGGTCAGAGTCAGAGTTGGAATCAGGGCTACGGCAACTACTGGAACAGGGCTAC
GGCTACCAGCAGGGCTACGGGCTGGCTATGGCGGCTACGACTACTCGCCCTATGGCTATTACGGCTACG
GCCCCGGCTACGACTACAGTCAGGGTAGTACAACTACGGCAAGAGCCAGCGACGTGGTGCCATCAGAA
TAACTACAAGCCATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC204360 representing NM_031266
 Red=Cloning site Green=Tags(s)

MSEAGEEQPMETTGTATENGHEAVPEGESAPAGAGTAAAGAGGATAAPPSGNQNGAEGDQINASKNEEDAG
 KMFVGGLSWDTSKKDLKDYFTKFGVVDCTIKMDPNTGRSRGFGFILFKDAASVEKVLDDQEHRLDGRVI
 DPKKAMAMKKDPVKKIFVGLNPEATEEKIREYFGEFGEIEAIELPMDPKLNKRRGFVFITFKEEEPVKK
 VLEKKFHTVSGSKCEIKVAQPKEVYQQQQYGSGRGNRNRGNRGSGGGGGGGQSQSWNQYGNYNQGY
 GYQQGYGPGYGGYDYSPLYGYGPGYDYSQGSTNYGKSQRRGGHQNYYKPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4789_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_031266

ORF Size: 996 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:

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_031266.3](#)

RefSeq Size: 1837 bp

RefSeq ORF: 999 bp

Locus ID: 3182

UniProt ID: [Q99729](#)

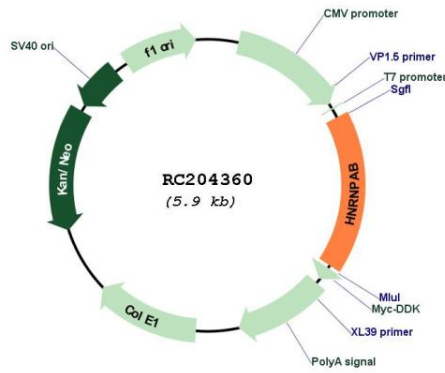
Cytogenetics: 5q35.3

Domains: RRM

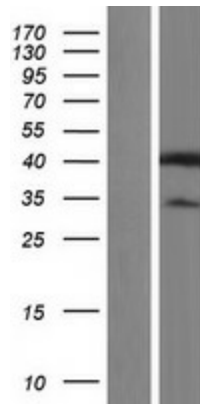
MW: 35.8 kDa

Gene Summary: This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are produced by RNA polymerase II and are components of the heterogeneous nuclear RNA (hnRNA) complexes. They are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene, which binds to one of the components of the multiprotein editosome complex, has two repeats of quasi-RRM (RNA recognition motif) domains that bind to RNAs. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

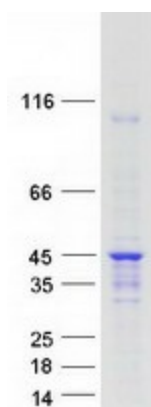
Product images:



Circular map for RC204360



Western blot validation of overexpression lysate (Cat# [LY410605]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204360 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HNRNPAB protein (Cat# [TP304360]). The protein was produced from HEK293T cells transfected with HNRNPAB cDNA clone (Cat# RC204360) using MegaTran 2.0 (Cat# [TT210002]).