

Product datasheet for SC127447

HNRPAB (HNRNPAB) (NM_004499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HNRPAB (HNRNPAB) (NM_004499) Human Untagged Clone
Tag:	Tag Free
Symbol:	HNRPAB
Synonyms:	ABBP1; HNRPAB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127447 sequence for NM_004499 edited (data generated by NextGen Sequencing)

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ATGTCGGAAGCGGGCGAGGAGCAGCCCATGGAGACGACGGGCCACCGAGAACGGACAT
GAGGCCGTCCCCGAAGGCGAGTCGCCGGCCGGGCTGGCACGGGCGCCGCGGGGGCT
GGAGGCGCGACCGCGGCCCCCGAGCGGGAATCAGAACGGCGCCGAGGGCGACAGATC
AACGCCAGCAAGAACGAGGAGGACGCGGAAAAATGTTTCGTTGGTGGCCTGAGCTGGGAT
ACTAGCAAAAAAGATTTAAAAGACTATTTTACTAAATTTGGAGAGGTCGTTGACTGTACA
ATAAAAAATGGATCCCAACACTGGACGGTCAAGAGGTTTGGGTTTATCCTGTTCAAAGAT
GCAGCCAGTGTGAGAAGGTCCTAGACCAGAAGGAGCACAGGCTGGATGGCCGTGTCATT
GACCCTAAAAAGCCATGGCTATGAAGAAGGACCCGGTGAAGAAAATCTTCGTTGGGGT
CTGAATCCTGAAGCCACTGAGGAAAAGATCAGGGAGTACTTTGGCGAGTTTGGGGAGATT
GAGGCCATTGAATTGCCAATGGATCCAAAGTTGAACAAAAGACGAGGTTTTGTGTTTATC
ACCTTTAAAGAAGAAGAACCCGTGAAGAAGTTCTGGAGAAAAAGTTCCATACTGTCAAGT
GGAAGCAAGTGTGAGATCAAGGTGGCCAGCCAAAGAAGTCTATCAGCAGCAGCAGTAT
GGCTCTGGGGCCGTGGAACCGCAACCGAGGGAACCGAGGCAGCGGAGGTGGTGGTGGGA
GGTGGAGGTCAGGGTAGTACAACTACGGCAAGAGCCAGCGACGTGGTGGCCATCAGAAT
AACTACAAGCCATACTGA

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Clone variation with respect to NM_004499.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004499 unedited
 GTTCAAATTTTGTAAACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGCCGCGC
 GGGACGGAGCTTGGCTGTTGGTCGGTGGGTTCCCGTGCGGCGGCGGCCAAGGAGGAGGAG
 ACACAGTTGGAGCAGCTCCGTGGGCTGACTGGGGCGAGGCCTCAGCAGCGCGAGCTTGAG
 TGCGGCCGAGCCTGCGGCGCCTCCCCTGCGGGTGGGGACGAGCGGGCCCCGCGGCGTCA
 TCGGGCGGAGGAGCCGCGCGCCTCGGCTAGCATGTCGGAAGCGGGCGAGGAGCAGCC
 CATGGAGACGACGGGCGCCACCCGAGAACGACATGAGGCCGTCCCCGAAGGCGAGTCGCC
 GGCCGGGGCTGGCACGGGGCGCCGCGGGGGGCTGGAGGCGCGACCCGCGGCGCCCCGA
 GCGGGAATCAGAACGGCGCCGAGGGCGACCAGATCAACGCCAGCAAGAACGAGGAGGACG
 CGGGAAAAATGTTGTTGGTGGCCTGAGCTGGGATACTAGCAAAAAAGATTTAAAAGACT
 ATTTTACTAAATTTGGGAGAGGGTCGTTGACTGTACAATAAAAAATGGATCCCAACTG
 ACGGTCAAGAGGGTTTTGGGTTTTATTCTGTTCAAAGATGCAGCCAGTGTGGNAGAAG
 TCCTAGACCAGAAGGAGCACAGGCCTGGATGGGCCGTGTCATTGACCCTAAAAGCCAT
 GGCTTGNAAGAAGACCCGGTGAAGAAATCTCCGTAGGGGGTCTGAATCCCTGAGCCA
 CTGAGGAAAGATCAGGGAGTACTTGGCCGAGGTTGGGGGAGAATGAGGCCATTGATGC
 CAATGGATCCCAAGTGACAAAAACAGGGTTTTTGGGGTTATCACTTTAAAGAGAAGAC
 CGGGAAAAAAAGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004499 unedited
 GGTCTTAAATCTTTTTAAAGCTTGGCTAGCTTCAATTCAGTTGTGGCAAAATTATGACA
 CGTGATAAATACCTTACAATACATTAGATTCCCAAAGGTACCAAAAGTACAGTAAAATTA
 ACCTTCCGTTACAGGAAATGTATGACGCAAATAATAAAAATAAAAGGTGAAAAAAG
 GTGACACTGGTTTTCTAAGATACAATTTACTCTTTACAACCAGGGTCCACAGGTCCAGGC
 TGCAAGAGCGGCAGCAGGAAGCAGAGCCTCCACCTGCTTCTGGGGACCTGGTAATAAAA
 ATCAGCCCATGATGGCGCTATGGCCTCTCAGACACCACACGCTGCCTAAACACCTAGAGC
 TCTGGAATAGTCAACAGGAGAGTGATTTCCATGGGGGAAATTTAAATAAGATGCACAT
 GGGACAGGCAATAGAAAGTTTGCCAAGTTAAATTTGGTACATAATTGTGTTCACTCCATA
 TCCAAACAAGCATGTGTGCGATCAGTTGGTCGCTCCTGCTGCCGCTCAGTATGGCTTG
 TAGTTATTCTGATGGCCACCACGTCGCTGGCTCTCGCCGAGTTCGTAATACCCTGACTG
 TAGTCGTAGCCGGGGCCGTACCCGTAATAGCCATACGGCGAGCACTCCGAGCCGCATAT
 TAGGCCCGTAGCCCTGCTGGCACCTGTACCCCTGGTTTTACGCGCCTGTGCAATCCTTG
 ATTCCAACCTTCGACTTTTGATTCTTACCTTACCANTACCTCCGCTGCCTCCGGTTCTT
 CGTTGCTGGTTCCACGGGCCCCACAACCCTACTGGCTGCTGCTGTAGGAATTTTGTGCG
 CCTGGCCACCTTTGATCTCCCCTTNGCTTCACTGACATTCGGGACACTTTTTCCAGAACC
 TTCTTACGGCTNCCTTTTCTTTAAGTGATAAACCACCCCCCCTTTGCTACCTTTGTTCT
 TTGCCACTCAGGCCTCACTCTTATTCTCAACCCCGTACTCTCTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_004499

Insert Size:

1820 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_004499.3](#), [NP_004490.2](#)

RefSeq Size: 1696 bp

RefSeq ORF: 858 bp

Locus ID: 3182

UniProt ID: [Q99729](#)

Cytogenetics: 5q35.3

Domains: RRM

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]
Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region compared to variant 1. The resulting protein (isoform b) is shorter, compared to isoform a.