

Product datasheet for **RG224241**

hnRNP A2B1 (HNRNPA2B1) (NM_031243) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | hnRNP A2B1 (HNRNPA2B1) (NM_031243) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | hnRNP A2B1 |
| Synonyms: | HNRNPA2; HNRNPB1; HNRPA2; HNRPA2B1; HNRPB1; IBMPFD2; RNPA2; SNRPB1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG224241 representing NM_031243 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAACCTTAGAACTGTTCTTTGGAGAGGAAAAAGAGAGAAAAGAACAGTCCGTAAGCTCT
TTATTGGTGGCTTAAGCTTTGAAACACAGAAGAAAGTTTGGAGAACTACTACGAACAATGGGGAAAGCT
TACAGACTGTGTGTAATGAGGGATCCTGCAAGCAAAGATCAAGAGGATTTGGTTTTGTAACCTTTTCA
TCCATGGCTGAGGTTGATGCTGCCATGGCTGCAAGACCTCATTCAATTGATGGGAGAGTAGTTGAGCCAA
AACGTGCTGTAGCAAGAGAGGAATCTGGAAAACCAGGGGCTCATGTAAGTGAAGAAGCTGTTTGTGG
CGGAATTAAGAAGATACTGAGGAACATCACCTTAGAGATTACTTTGAGGAATATGGAAAATTGATACC
ATTGAGATAAATACTGATAGGCAGTCTGAAAAGAAAAGAGGCTTTGGCTTTGTTACTTTTGTGACCATG
ATCCTGTGGATAAAATCGTATTGCAGAAATACCATACCATCAATGGTCATAATGCAGAAGTAAGAAAGGC
TTTGTCTAGACAAGAAATGCAGGAAGTTCAGAGTCTAGGAGTGGAAAGAGGAGGCAACTTTGGCTTTGGG
GATTCACGTGGTGGCGGTGGAATTTCCGACCAGGACCAGGAAGTAACTTTAGAGGAGGATCTGATGGAT
ATGGCAGTGGACGTGGATTTGGGGATGGCTATAATGGGTATGGAGGAGGACCTGGAGGTGGCAATTTTGG
AGGTAGCCCCGGTTATGGAGGAGGAAGAGGAGGATATGGTGGTGGAGGACCTGGATATGGCAACCAGGTT
GGGGCTACGGAGGTGGTTATGACAACATGGAGGAGGAAATTAATGGAAGTGGAAATACAATGATTTTG
GAAATTATAACCAGCAACCTTCTAACTACGGTCCAATGAAGAGTGGAAACTTTGGTGGTACGGAACAT
GGGGGGACCATATGGTGGAGGAACTATGGTCCAGGAGGACAGTGGAGGAAGTGGGGTTATGGTGGGAGG
AGCCGATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG224241 representing NM_031243
Red=Cloning site Green=Tags(s)

MEKTLETVPLERKKREKEQFRKLFIGGLSFETTEESLRNYEQWGKLTDCVVMRDPASKRSRGFGFVTFSSMAEVDAAAMAARPHSIDGRVVEPKRAVAREESGKPGAHVTVKKL FVGGIKEDTEEHHLRDYFEEYKIDTIEIITDRQSGKKRGFGFVTFDDHDPVDKIVLQKYHTINGHNAEVRKALSRQEMQEVQSSRSRGGGNFGGDSRRGGGNFGPGPGSNFRGGSDGYGSRGFGDGYNGYGGGPGGGNFGGSPGYGGGRGGYGGGGPGYGNQGGYGGYDNYGGGNYGSGNYNDFGNYNQQPSSNYGPMKSGNFGGSRNMGGPYGGGNYGPGGSGGSGGYGGRSRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031243

ORF Size: 1059 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.

RefSeq: [NM_031243.3](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1062 bp

Locus ID: 3181

UniProt ID: [P22626](#)

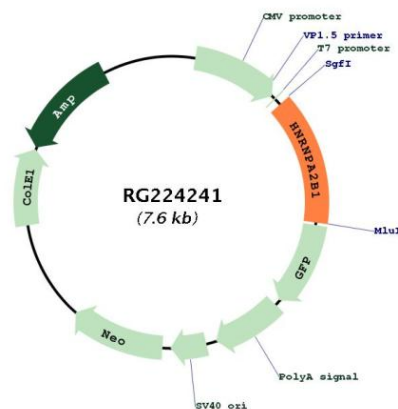
Cytogenetics: 7p15.2

Domains: RRM

Protein Families: Druggable Genome

Gene Summary: This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins 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 has two repeats of quasi-RRM domains that bind to RNAs. This gene has been described to generate two alternatively spliced transcript variants which encode different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224241