

Product datasheet for **RG202319**

RNPC3 (NM_017619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPC3 (NM_017619) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNPC3
Synonyms:	IGHD5; RBM40; RNP; SNRNP65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202319 representing NM_017619
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCTCCCGAGCAGCCGTTGCGATATCAAGGGGATGCACGAGCTCCTCCTCGCTTCCCGCCTC
 GGGCGACCGAACCCCTTCTGGTCAGGCACCTGCCGGCTGAGCTTACTGCTGAGGAGAAAGAGGACTTGCT
 GAAGTACTTCGGGGCTCAGTCTGTGCGGGTCTGTGAGATAAGGGGCGACTGAAACATACAGCTTTTGCC
 ACATTCCTAATGAAAAAGCAGCTATAAAGGCATTGACAAGACTCCATCAACTGAACTTTTAGTGCATA
 CTTTAGTCGTTGAATTTGCAAAAGAGCAAGATCGAGTTCCTCCCATGTCCACTTCAGGCTCTGAAAA
 AAAAAAAGGTCTGATGACCCTGTCGAAGATGATAAGAAAAAAGAACTTGGTTATTTAACAGTAGAA
 AATGGAATGCACCAACCATGGGCTGACTTTTCTTTAAATTCATGCCTCAAGTATATGTACCCACCAC
 CTTCCAGCACAATCCTAGCAAACATTGTAATGCCTTGGCAAGCGTGCCTAAGTTCTATGTACAGGTCCT
 TCATCTTATGAATAAAATGAATTTGCCACACCTTTTGGACCAATTAAGTCTGCGGACCTCCCATGTATGAA
 GACTATATGCCATTGCATGCACCTTCCACCCACATCTCCTCAGCCACCTGAGGAACCTCCTTTGCCAG
 ACGAGGATGAGGAATTATCTAGTGAAGAATCAGAATATGAAAGCACTGATGATGAGGACCGACAGAGAAT
 GAACAAATTAATGGAAGTAGCAATCTTCAGCCAAAAGACCTAAAACAATAAAGCAGCGCCATGTGAGA
 AAAAAGAGAAAAATAAGGATATGTTGAATACACCTTTGTGTCCTTCACACAGCAGTTTACATCCAGTGC
 TGTTACCTTCAGATGATTTGACCAACCACAACCTGTAGGTAACAAAAGAATTGAATCCATATATCTAC
 CGACATGCCAGCTGCATTAAGAAAGATTTAGAAAAGGAACAAAATTGTGAGGAAAAAATCATGATTTA
 CCTGCTACTGAAGTTGATGCATCCAATATAGGATTTGGAAAAATCTTCCCAAACCTAATTTGGACATCA
 CAGAGGAGATTAAGAAGACTCTGATGAAATGCCTTCAGAATGTATTTCTAGAAGGGAATTGAAAAAGGG
 CAGAAATTTCTAGAGAAGAATGGAAACACTTTCAGTTTTTCAGAAGTTATGAACCGGGTGAACCAAACCTGT
 AGAATTTATGTAAGAATTTAGCTAAACATGTTCAAGAAAAGGACCTTAAATATATTTTTGGAAATATG
 TTGACTTTTCATCAGAAACACAGCGGATCATGTTTGATATACGTTTGATGAAAGAAGGTCGTATGAAAGG
 ACAAGCTTTCATTGGACTTCTAATGAAAAAGCAGCAGCAAAAGCCTTAAAGGAAGCTAATGGATATGTG
 CTTTTTGGAAAACCCATGGTGGTTCAGTTTGCTCGATCTGCTAGACCAAAAACAAGATCCTAAGGAAGGAA
 AAAGAAAGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG202319 representing NM_017619
 Red=Cloning site Green=Tags(s)

MAAPEQPLAISRGCTSSSSLSPPRGDRLLVRHLPALTAEEKEDLLKYFGAQSVRVLSDKGRLKHTAFA
 TFPNEKAAIKALTRLHQLKLLGHTLVVEFAKEQDRVHSPCPTSGSEKKRSDDPVEDDKEKELGYLTVE
 NGIAPNHGLTFPLNSCLKYMYPPSSITLANIVNALASVPKFYVQVLHLMNKMNLPTPFGPITARPPMYE
 DYMLHAPLPPTSPQPPEEPPLPDEDEELSSESEYESTDDEDQRMNKLMELANLQPKRPKTIKQRHVR
 KKRKIKDMLNTPCPSHSSLHPVLLPSDVFDQPQVGNKRIEFHISTDMPAAFKKDLEKEQNCEEKNHDL
 PATEVDASNIGFGKIFPKPNLDITEEIKEDSEMPSECSRRELEKGRISREEMETLSVFRSYEPGEPNC
 RIYVKNLAKHVQEKDLKYIFGRYVDFSSETQRIMFDIRLMKEGRMKGQAFIGLPNEKAAAKALKEANGYV
 LFGKPMVVQFARSARPKQDPKEGKRKC

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_017619

ORF Size: 1551 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_017619.4](#)

RefSeq Size: 1901 bp

RefSeq ORF: 1554 bp

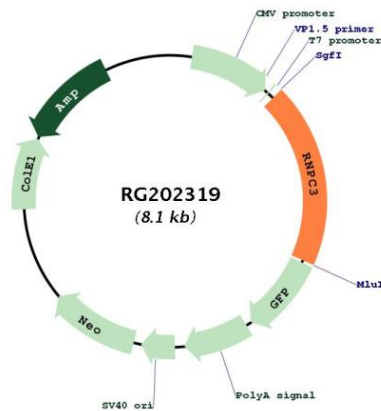
Locus ID: 55599

UniProt ID: [Q96LT9](#)

Cytogenetics: 1p21.1

Gene Summary:

Two types of spliceosomes catalyze splicing of pre-mRNAs. The major U2-type spliceosome is found in all eukaryotes and removes U2-type introns, which represent more than 99% of pre-mRNA introns. The minor U12-type spliceosome is found in some eukaryotes and removes U12-type introns, which are rare and have distinct splice consensus signals. The U12-type spliceosome consists of several small nuclear RNAs and associated proteins. This gene encodes a 65K protein that is a component of the U12-type spliceosome. This protein contains two RNA recognition motifs (RRMs), suggesting that it may contact one of the small nuclear RNAs of the minor spliceosome. [provided by RefSeq, Jul 2008]

Product images:


Circular map for RG202319