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Product datasheet for RC202319

RNPC3 (NM_017619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNPC3 (NM_017619) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNPC3
Synonyms:	IGHD5; RBM40; RNP; SNRNP65
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC202319 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCTCCCGAGCAGCCGCTTGCGATATCAAGGGGATGCACGAGCTCCTCCTCGCTTTCCCCGCCTC
GGGGCGACCGAACCCTTCTGGTCAGGCACCTGCCGGCTGAGCTTACTGCTGAGGAGAAAGAGGACTTGCT
GAAGTACTTCGGGGCTCAGTCTGTGCGGGTCCTGTCAGATAAGGGGCGACTGAAACATACAGCTTTTGCC
ACATTCCCTAATGAAAAAGCAGCTATAAAGGCATTGACAAGACTCCATCAACTGAAACTTTTAGGTCATA
CTTTAGTCGTTGAATTTGCAAAAGAGCAAGATCGAGTTCACTCCCCATGTCCCACTTCAGGCTCTGAAAA
AAAAAAAAGGTCTGATGACCCTGTCGAAGATGATAAAGAAAAAAAAGAACTTGGTTATTTAACAGTAGAA
AATGGAATTGCACCAAACCATGGGCTGACTTTTCCTTTAAATTCATGCCTCAAGTATATGTACCCACCAC
CTTCCAGCACAATCCTAGCAAACATTGTAAATGCCTTGGCAAGCGTGCCTAAGTTCTATGTACAGGTCCT
TCATCTTATGAATAAAATGAATTTGCCCACACCTTTTGGACCAATTACTGCGCGACCTCCCATGTATGAA
GACTATATGCCATTGCATGCACCTCTTCCACCCACATCTCCTCAGCCACCTGAGGAACCTCCTTTGCCAG
ACGAGGATGAGGAATTATCTAGTGAAGAATCAGAATATGAAAGCACTGATGATGAGGACCGACAGAGAAT
GAACAAATTAATGGAACTAGCAAATCTTCAGCCCAAAAGACCTAAAACAATAAAGCAGCGCCATGTGAGA
AAAAAGAGAAAAATAAAGGATATGTTGAATACACCTTTGTGTCCTTCACACAGCAGTTTACATCCAGTGC
TGTTACCTTCAGATGTATTTGACCAACCACAACCTGTAGGTAACAAAAGAATTGAATTCCATATATCTAC
CGACATGCCAGCTGCATTTAAGAAAGATTTAGAAAAGGAACAAAATTGTGAGGAAAAAAATCATGATTTA
CCTGCTACTGAAGTTGATGCATCCAATATAGGATTTGGAAAAATCTTCCCCAAACCTAATTTGGACATCA
CAGAGGAGATTAAAGAAGACTCTGATGAAATGCCTTCAGAATGTATTTCTAGAAGGGAATTGGAAAAGGG
CAGAATTTCTAGAGAAGAAATGGAAACACTTTCAGTTTTCAGAAGTTATGAACCGGGTGAACCAAACTGT
AGAATTTATGTAAAGAATTTAGCTAAACATGTTCAAGAAAAGGACCTTAAATATATTTTTGGAAGATATG
TTGACTTTTCATCAGAAACACAGCGGATCATGTTTGATATACGTTTGATGAAAGAAGGTCGTATGAAAGG
ACAAGCTTTCATTGGACTTCCTAATGAAAAAGCAGCAGCAAAAGCCTTAAAGGAAGCTAATGGATATGTG
CTTTTTGGAAAACCCATGGTGGTTCAGTTTGCTCGATCTGCTAGACCAAAACAAGATCCTAAGGAAGGAA
AAAGAAAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC202319 protein sequence
Red=Cloning site Green=Tags(s)

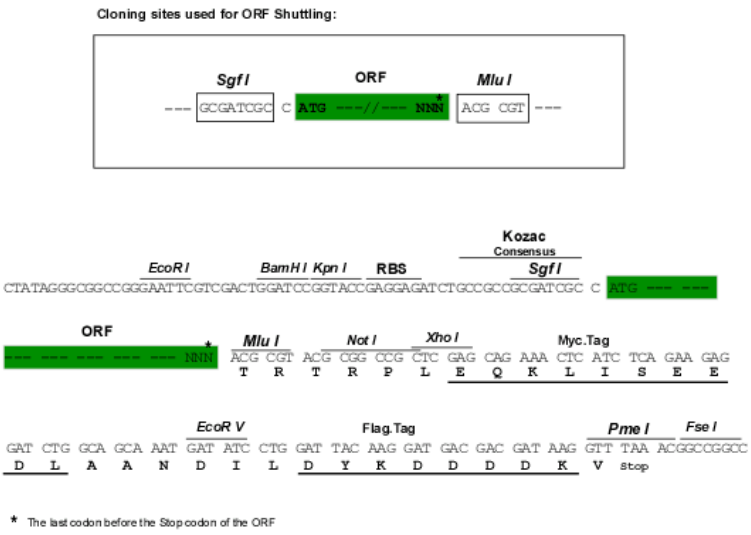
MAAPEQPLAISRGCTSSSSLSPPRGDRTLLVRHLPAELTAEEKEDLLKYFGAQSVRVLSDKGRLKHTAFA
TFPNEKAAIKALTRLHQLKLLGHTLVVEFAKEQDRVHSPCPTSGSEKKKRSDDPVEDDKEKKELGYLTVE
NGIAPNHGLTFPLNSCLKYMYPPPSSTILANIVNALASVPKFYVQVLHLMNKMNLPTPFGPITARPPMYE
DYMPLHAPLPPTSPQPPEEPPLPDEDEELSSEESEYESTDDEDRQRMNKLMELANLQPKRPKTIKQRHVR
KKRKIKDMLNTPLCPSHSSLHPVLLPSDVFDQPQPVGNKRIEFHISTDMPAAFKKDLEKEQNCEEKNHDL
PATEVDASNIGFGKIFPKPNLDITEEIKEDSDEMPSECISRRELEKGRISREEMETLSVFRSYEPGEPNC
RIYVKNLAKHVQEKDLKYIFGRYVDFSSETQRIMFDIRLMKEGRMKGQAFIGLPNEKAAAKALKEANGYV
LFGKPMVVQFARSARPKQDPKEGKRKC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6303_h01.zip

Restriction Sites: SgfI-MluI

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_017619.4

RefSeq Size: 1901 bp

RefSeq ORF: 1554 bp

Locus ID: 55599

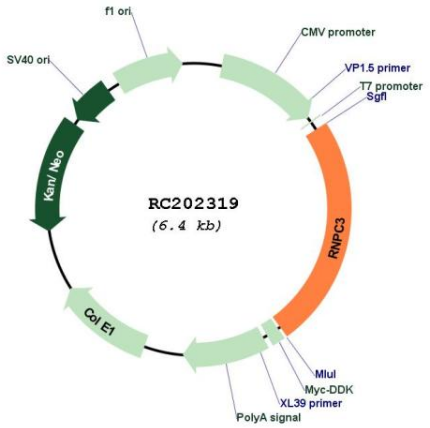
UniProt ID: Q96LT9

Cytogenetics: 1p21.1

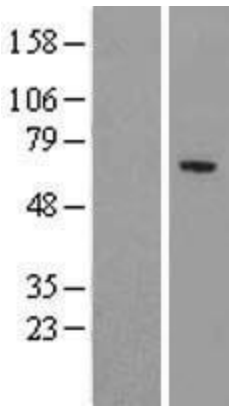
MW: 58.6 kDa

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 RC202319



Western blot validation of overexpression lysate (Cat# [LY413665]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202319 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).