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Product datasheet for MC228115

Rnpc3 (NM_001287015) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnpc3 (NM_001287015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnpc3
Synonyms:	2810441O16Rik; AI447568; C030014B17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC228115 representing NM_001287015
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGGGCCTGAGCCGCCGATGCCGCTGTCCCGAGGCGGCCCAGGCTCCGCTTCGCTTTCTCCGCCCC
GGGGAGACCGCACCCTCCTCGTCAGGCACCTGCCGGCCGAGCTGACGGCTGAGGAGAAGGAGGACTTACT
GAAGTACTTCGGGGCGCAGTCGGTGCGCGTCCTGTCAGATAAGGGGCGCCTGAAACACACAGCATTTGCT
ACTTTCCCTAATGAAAAAGCAGCAATAAAGGCACTGACGAGACTCCATCAGCTGAAACTTCTAGGTCATA
CTTTAGTTGTTGAATTTGCAAAAGAGCAAGATCGAGTTCACTCCCCATGTTCCACCTCAAATACAGAGAA
AAAGAAAAGGTTGGATGACACTGTGGAAAATGATAAAGAGAAGAAAGAACCTGACATTTTAACAGTAGAA
AATGGAATTGCACCAAATCATGGGCTGACTTTTCCTCTGAATTCATGCCTTAAATATATGTATCCTCCAC
CATCAAGCACAATCCTCGCAAATATAGTAAATGCTCTGGCAAGTGTCCCAAAATTCTATGTACAGGTGCT
TCATCTTATGAATAAAATGAATTTGCCCACACCATTTGGACCGATTACTGCACGACCTCCTATGTATGAG
GACTATATGCCATTGCATGCACCCCTTCCACCTACATCCCCTCAACCGCCTGAGGAGCCTCCCTTACCAG
ATGAGGATGAGGATTTATCTAGCAAAGAATCAGAATATGAAAGCAGTGATGAGGAGGACCGACAGAGAAT
GAACAGATTAATGGAACTAGCAAATCTTCAGCCCAAAAGACCCAAAACAGAAAAGCCACGCCACGTGAGA
AAAAAGCGAAAAATAAAGGATATGTTGAATATACCTTCATCAGCTTCACATAGTTTGCATCCTGTGCTGT
TACCTTCGGATGTATTTGACCAGCCACAATCTGTAGGTAATAAAAAAATTGAGTTCAATATATCAACCAA
CATGCCTGCAGCATTTAACAAAGATTTGGAGACACAACCAAATAATGAAGAAGAAAATTCTGATTCACCA
GACACTGGACTTGATTCAAATACAGGATTTGGCAAAATCTTCCCTAAACCTAATTTGAACATCACAGAAG
AGATTACAGAAGACTCTGATGAAATACCTTCACAATTTATTTCTAGAAAAGAGTTGGAAAAGGGTCGTAT
TTCTAGAGAAGAAATGGAAACACTTTCAGTTTTTAGAAGTTATGAACCTGGTGAACCAAACTGCAGAATT
TATGTAAAGAATTTAGCTAGACATGTTCAGGAAAAGGACCTTAAATTTATATTTGGAAGATACGTTGACT
TTTCTTCAGAAACACAGCGGATCATGTTTGATATTCGCTTAATGAAAGAAGGACGCATGAAAGGACAAGC
TTTTGTTGGACTTCCAAATGAAAAAGCAGCCGCTAAAGCGTTGAAAGAAGCTAATGGCTATGTTCTTTTT
GGAAAACCCATGGTGGTTTTTGCTCGATCTGCTAGACCAAAACAGGATTCTAAAGAAGGAAAACGGAAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001287015

Insert Size: 1542 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).

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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_001287015.1, NP_001273944.1
RefSeq Size:	3885 bp
RefSeq ORF:	1542 bp
Locus ID:	67225
UniProt ID:	Q3UZ01
Cytogenetics:	3 F3
Gene Summary:	Participates in pre-mRNA U12-dependent splicing, performed by the minor spliceosome which removes U12-type introns. U12-type introns comprises less than 1% of all non-coding sequences. Binds to the 3'-stem-loop of m(7)G-capped U12 snRNA (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. It encodes isoform b which is shorter than isoform a.

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