OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC115563

NONO (NM_007363) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NONO (NM_007363) Human Untagged Clone
Tag:	Tag Free
Symbol:	NONO
Synonyms:	MRXS34; NMT55; NRB54; P54; P54NRB; PPP1R114
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC115563 sequence for NM_007363 edited (data generated by NextGen Sequencing)

ATGCAGAGTAATAAAACTTTTAACTTGGAGAAGCAAAACCATACTCCAAGAAAGCATCAT
CAACATCACCACCAGCAGCAGCACCACCAGCAGCAACAGCAGCAGCCGCCACCACCGCCA
ATACCTGCAAATGGGCAACAGGCCAGCAGCCAAAATGAAGGCTTGACTATTGACCTGAAG
AATTTTAGAAAACCAGGAGAGAAGACCTTCACCCAACGAAGCCGTCTTTTTGTGGGAAAT
CTTCCTCCCGACATCACTGAGGAAGAAATGAGGAAACTATTTGAGAAATATGGAAAGGCA
GGCGAAGTCTTCATTCATAAGGATAAAGGATTTGGCTTTATCCGCTTGGAAACCCGAACC
CTAGCGGAGATTGCCAAAGTGGAGCTGGACAATATGCCACTCCGTGGAAAGCAGCTGCGT
GTGCGCTTTGCCTGCCATAGTGCATCCCTTACAGTTCGAAACCTTCCTCAGTATGTGTCC
AACGAACTGCTGGAAGAAGCCTTTTCTGTGTTTGGCCAGGTAGAGAGGGCTGTAGTCATT
GTGGATGATCGAGGAAGGCCCTCAGGAAAAGGCATTGTTGAGTTCTCAGGGAAGCCAGCT
GCTCGGAAAGCTCTGGACAGATGCAGTGAAGGCTCCTTCCTGCTAACCACATTTCCTCGT
CCTGTGACTGTGGAGCCCATGGACCAGTTAGATGATGAAGAGGGACTTCCAGAGAAGCTG
GTTATAAAAAACCAGCAATTTCACAAGGAACGAGAGCAGCCACCCAGATTTGCACAGCCT
GGCTCCTTTGAGTATGAATATGCCATGCGCTGGAAGGCACTCATTGAGATGGAGAAGCAG
CAGCAGGACCAAGTGGACCGCAACATCAAGGAGGCTCGTGAGAAGCTGGAGATGGAGATG
GAAGCTGCACGCCATGAGCACCAGGTCATGCTAATGAGACAGGATTTGATGAGGCGCCAA
GAAGAACTTCGGAGGATGGAAGAGCTGCACAACCAAGAGGTGCAAAAACGAAAGCAACTG
GAGCTCAGGCAGGAGGAAGAGCGCAGGCGCCGTGAAGAAGAGATGCGGCGGCAGCAAGAA
GAAATGATGCGGCGACAGCAGGAAGGATTCAAGGGAACCTTCCCTGATGCGAGAGAGCAG
GAGATTCGGATGGGTCAGATGGCTATGGGAGGTGCTATGGGCATAAACAACAGAGGTGCC
ATGCCCCCTGCTCCTGTGCCAGCTGGTACCCCAGCTCCTCCAGGACCTGCCACTATGATG
CCGGATGGAACTTTGGGATTGACCCCACCAACAACTGAACGCTTTGGTCAGGCTGCTACA
ATGGAAGGAATTGGGGCAATTGGTGGAACTCCTCCTGCATTCAACCGTGCAGCTCCTGGA
GCTGAATTTGCCCCAAACAAACGTCGCCGATACTAA

Clone variation with respect to NM_007363.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_007363 unedited

CCACACCCTTCGCACGAGGGGCCGTGTAGTTTCGCCGTTACTCCGAGGAGAAACCAGTCG
GTAGAGGAGAAGTCGAGGTTAGAGGGAACTGGGAGGCACTTTGCTGTCTGCAATCGAAGT
TGAGGGTGCAAAAATGCAGAGTAATAAAACTTTTAACTTGGAGAAGCAAAACCATACTCC
AAGTAAGCATCATCAACATCACCACCTGCAGCAGCACCACCAGCAGCAACAGCAGCAGCC
GCCACCACCGCCAATACCTGCAAATGGGCAACAGGCCAGCAGCCAAAATGAAGGCTTGAC
TATTGACCTGAAGAATTTTAGAAAACCAGGAGAGAAGACCTTCACCCAACGAAGCCGTCT
TTTTGTGGGAAATCTTCCTCCCGACATCACTGAGGAAGAAATGAGGAAACTATTTGAGAA
ATATGGAAAGGCAGGCGAAGTCTTCATTCATAAGGATAAAGGATTTGGCTTTATCCGCTT
GGAAACCCGAACCCTAGCGGAGATTGCCAAAGTGGAGCTGGACAATATGCCACTCCGTGG
AAAGCAGCTGCGTGTGCGCTTTGCCTGCCATAGTGCATCCCTTACAGTTCGAAACCTTCC
TCAGTATGTGTCCAACGAACTGCTGGAAGAAGCCTTTTCTGTGTTTGGCCAGGTAGAGAG
GGCTGTAGTCATTGTGGATGATCGAGGAAGGCCCCTCAGGAAAGGCATTGTTGAGTTCTC
AGGGAAGCCAGCTGCTCGGAAAGCTCTGGACAGATGCAGTGAAGGGCTCTTNCTGCTAAC
CACATTTCCTCGTCCTGTGACTGTGGAGCCCATGGCCCATTAGATGATGAAGAGGNACTT
NCAGAGAAGCTGGTTTATAAAAAACAGCAATTTCACAAGGAACGN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_007363 unedited
TATGGACCGCGGGCCGCAATCTANAATCGAGTTTTTTTTTTTTTTTTTAAAAGGCTTAA
AATGTATTTTAATAGGTTGATGCTGCATTACTGCTCCATTTTTCAGAAAAACTCCAAATA
TATGAGACAAATCAAACACAGTACACCAATGAAAAAAAAAATGCACAGCATGACTACCTA
AGATAGGCGAGTCTAAGAGCTACTGTCAGACCTTCAGTATACAGTAACCCTGTTCCCAAG
ATTGTACTAGGCCTATCAAGAAAAGCTGTGAACAGCAACATCATAGACACAAAAGGGTCA
TTCCTGGGTGTCCTCACCCAAGAAAAAGATGGAGGCAAGTTAACACAAGATTTTTTTTTA
AAGATACACTAAAATGAAAATCTCTAAGAGAAAATGTCTTCTTTAGGACATGAAGGGGTA
ATATATGGGGTATAACAGAACCGTATGTACGCTGCCTGTGACCTTTGTGGACGTTTGCCT
GAATTCTCACCTGGGAGTGAATGGAGCAATGGGGCTAAGGTCATTGGGGGATGTTTGGTT
TTTGTGGTGATGTNGGCAGTTTCTCTGGGGCTGGGGGAGTGTAAGGATAAGAAGCAAGTG
AGGTTGGGCACGGTGGCTCACCCCTGTAATCCCAGCATTTTGGGAGGCCGAGGTGGGTAG
ATCACGAGGTCAGGAGTTCAAGATCAACCTGGACAAGCTTGAACCCGGGAGGCAGAGATT
GCAGTGAGCCGAGATCATGCCACTACACTCCAGCCTGGGCGACAGAGTAAGACTCCGTCT
CGGGGGGGGCGGGGCANGCAAATGAAACAAGATGGACANAAAAAAAAAACCGGNATGATN
CAGGAATAATGGCTCTAANCTGGNANCACTTNGGCCATGGGTTCCCCCAGCCCTCACAGT
CCATTTAGAACTTTNAGGATGCACANACAGAACTGATAANNCATTACACACGNATTGGGC
TTGTTAATACACCNTNCTTGNCTCTGCTCACATCTCCTTAAGTTCAGCCGGGGGGC

Restriction Sites: NotI-NotI

ACCN: NM_007363

Insert Size: 2740 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_007363.3, NP_031389.3

RefSeq Size: 2705 bp

RefSeq ORF: 1416 bp

Locus ID: 4841

UniProt ID: Q15233

Cytogenetics: Xq13.1

Domains: RRM

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes an RNA-binding protein which plays various roles in the nucleus, including transcriptional regulation and RNA splicing. A rearrangement between this gene and the transcription factor E3 gene has been observed in papillary renal cell carcinoma. Alternatively spliced transcript variants have been described. Pseudogenes exist on Chromosomes 2 and 16. [provided by RefSeq, Feb 2009]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein (isoform 1).