

Product datasheet for **RG226567**

NONO (NM_001145408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NONO (NM_001145408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NONO
Synonyms:	MRXS34; NMT55; NRB54; P54; P54NRB; PPP1R114
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226567 representing NM_001145408
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCAGAGTAATAAACTTTTAACCTGGAGAAGCAAAACCATACTCCAAGAAAGCATCATCAACATCACC
ACCAGCAGCAGCACACCACCAGCAGCAACAGCAGCAGCCGCCACCACGCCAATACCTGCAAATGGGCAACA
GGCCAGCAGCAAAATGAAGGCTTGACTATTGACCTGAAGAATTTAGAAAACCAGGAGAGAAGACCTTC
ACCCAACGAAGCCGTCCTTTTGTGGAAATCTTCTCCCGACATCACTGAGGAAGAAATGAGGAACTAT
TTGAGAAAATGGAAGGCGAGGCGAAGTCTTATTATAAGGATAAAGGATTTGGCTTTATCCGCTTGA
AACCCGAACCCTAGCGGAGATTGCCAAGTGGAGCTGGACAATATGCCACTCCGTGGAAAGCAGCTCGCT
GTGCGCTTTGCCTGCCATAGTGCATCCCTACAGTTCGAAACCTCCTCAGTATGTGTCCAACGAACTGC
TGAAGAAGCCTTTCTGTGTTGGCCAGGTAGAGAGGGCTGTAGTCATTGTGGATGATCGAGGAAGGCC
CTCAGGAAAAGCATTGTTGAGTCTCAGGGAAGCCAGCTGCTCGAAAGCTCTGGACAGATGCAGTGAA
GGCTCCTTCTGTGTAACCACATTTCTCTGCTGTGACTGTGGAGCCATGGACCAGTTAGATGATGAAG
AGGGACTTCCAGAGAAGCTGGTTATAAAAAACCAGCAATTTACAAAGGAACGAGAGCAGCCACCCAGATT
TGCACAGCCTGGCTCCTTTGAGTATGAATATGCCATGCGCTGGAAGGCACTCATTGAGATGGAGAAGCAG
CAGCAGGACCAAGTGGACCGCAACATCAAGGAGGCTCGTGAGAAGCTGGAGATGGAGATGGAAGCTGCAC
GCCATGAGCACCAGGTATGCTAATGAGACAGGATTTGATGAGGCGCAAGAAGAACTTCGGAGGATGGA
AGAGCTGCACAACCAAGAGGTGCAAAAACGAAAGCAACTGGAGCTCAGGCAGGAGGAAGAGCGCAGGCGC
CGTGAAGAAGAGATGCGGCGCAGCAAGAAGAAATGATGCGGCGCAGCAGGAAGGATTCAGGGAACCT
TCCCTGATGCGAGAGAGCAGGAGATTCCGATGGGTCAGATGGCTATGGGAGGTGCTATGGGCATAAACAA
CAGAGGTGCCATGCCCCCTGCTCCTGTGCCAGCTGGTACCCAGCTCCTCCAGGACCTGCCACTATGATG
CCGGATGGAACCTTTGGGATTGACCCACCAACAACTGAACGCTTTGGTCAGGCTGCTACAATGGAAGGAA
TTGGGGCAATTGGTGAACCTCCTCTGCATTCAACCGTGCAGCTCCTGGAGCTGAATTTGCCCAACAA
ACGTCGCCGATAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226567 representing NM_001145408
Red=Cloning site Green=Tags(s)

MQSNKTFNLEKQNHTPRKHQHQQHHQQHHQQQQPPPPPIPANGQQASSQNEGLTIDLKNFRKPGEKTF
TQRSRLFVGNLPPDITEEEMRKLFEKYGKAGEVFIHKDKGFGFIRLETRTLAEIAKVELDNMPLRGKQLR
VRFACHSASLTVRNLPQYVSNELLEAFSVFGQVERAVIVDDRGRPSGKGIVFSGKPAARKALDRCE
GSFLLTTFPRPVTVEPMDQLDDEEGLPEKLVIKNQQFHKEREQPPRFAQPGSFYEYAMRWKAL IEMEQ
QQDQVDRNIKEAREKLEMEMEAARHEHQVLMRQDLMRRQEELRRMEELHNQEVQKRKQLELRQEEERRR
REEEMRRQEEEMRRQEGFKGTFPDAREQEIRMGQMAMGGAMGINNRGAMPAPVPAGTPAPPGPATMM
PDGTLGLTPPTTERFGQAATMEGIGAIGGTPPAFNRAAPGAEFAPNKRRRY

TRTRPLE - GFP Tag - V

Chromatograms:

https://cdn.origene.com/chromatograms/ja1803_d08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001145408

ORF Size: 1413 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001145408.2](#)

RefSeq Size: 3228 bp

RefSeq ORF: 1416 bp

Locus ID: 4841

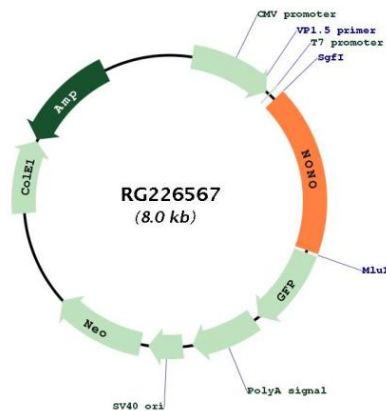
UniProt ID: [Q15233](#)

Cytogenetics: Xq13.1

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]

Product images:



Circular map for RG226567