

Product datasheet for **RG233089**

NUP93 (NM_001242795) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP93 (NM_001242795) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUP93
Synonyms:	NIC96
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG233089 representing NM_001242795
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGGAGTACCATCGGGAGTCAATGTTGGTTGAGTGGGAGCAAGTGAAACAGCGAATTCTGCACA
 CACTGCTGGCATCAGGAGAAGACGCCCTTGACTTTACTCAAGAAAGCGAGCCAAGCTACATCAGTGATGT
 GGGACCCCTGGTCGAAGCTCTCTGGATAACATCGAGATGGCCTATGCGCGGCAATTTATATCTATAAT
 GAGAAAATTGTAATGGACACCTGCAGCCTAACCTGGTGGACCTTTGTGCTTCCGTCGCAGAGCTCGATG
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 CAGAGTTATAAGAATTACACCTTGTGACTGTCTTTGAAATTTGCATCAGGCCAGCTGGGCGGGGTGC
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 TGGAGAGGTGGAAGGCCATCCTGTGTGGCGCTAATTTACTACTGCATGCGCTGTGGAGACCTGCTTGCC
 GCTTCACAGGTAGTTAATCGAGGCCAGCACAGCTGGGAGAGTTTAAACCTGGTTCCAGGAGTACATGA
 ACAGCAAGGACAGAAGATTGTCCCCAGCTACGGAACAAAGCTCCGGCTGCATTACCGTAGGGCCCTCAG
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 AGTGAAGTGGCGGACAAAAGTACGAGTACCTGTGGCTGAAGTTGAACCAAGTGTGTTTTGACGACGATG
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 GCAGCAGTTGCCTTTCTTTCCGATGGAGCGGCTGCGCTGCCATGCTGTCCATGTAGCACTGGTGCTGT
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 TCCTTGCTTGGCGCGGCTGAACCTCGTGGGCTCCTCATGCTGTACACCCGGAAGTTTGAGTCCACGGAC
 CCAAGGGAGGCCCTCCAGTACTTCTATTTCTCAGGGATGAGAAAGATAGTCAAGGAGAAAAATGTTTC
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 CGGAAGTAGAAAGCCTGGAGTCATAGATAAGTTTACTAGTGACACAAAGCCTATTATCAACAAAGTTGCT
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 GGAGAGGCTGAAGAACATGGCACTCTCCATTGCCGAACGGTATAGGGCTCAAGGAATAAGCGCAATAAA
 TTTGTGGACTCCACGTTCTATCTCTTTTGGACTTGATCACCTTTTTTGACGAGTATCATAGTGGTCATA
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 AGTGGCTGCCTTCAGAAATTTAGTGATGAAATCAGGCACAACCTCTCAGAAAGTGCTTCTTGCCACCATG
 AACATCTTGTTACACAGTTTAAAGAGGCTCAAGGGGACAAGTCCATCCTCGTCATCCAGGCCCGAGCGAG
 TCATCGAGGACCGCACTCTCAACTCCGAAGTCAAGCCCGCACTCTGATTACCTTTGCTGGAATGATACC
 ATACCGAACGCTGCGGGACCAATGCGAGGCTGGTGCAGATGGAGGTCTCATGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG233089 representing NM_001242795
 Red=Cloning site Green=Tags(s)

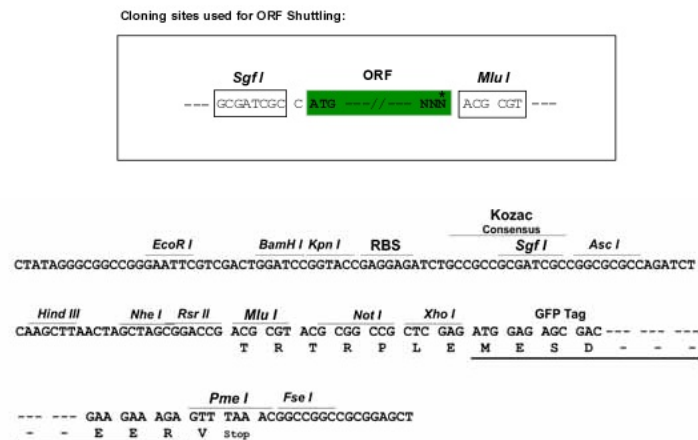
MAEEYHRESMLVEWEQVKQRILHTLLASGEDALDFTQESEPSYISDVGPGRSSLDNIEMAYARQIYIYN
 EKIVNGHLQPNLVDLCASVAELDDKSISDMWTMVKQMTDVLTPATDALKNRSSVEVRMEFVRQALAYLE
 QSYKNYTLVTVFGNLHQAQLGGVPGTYQLVRSFLNIKLPAPLPGLQDGEVEGHPVWALIYYCMRCGDLLA
 ASQVYNRAQHQLGEFKTWFEYMNSKDRRLSPATENKLRLHYRRALRNNTDPYKRAVYCIIGRCDVTDNQ
 SEVADKTEDYLWLKLNQVCFDDGTSSPDRLTLNQFQKQLLEDYGESHFVTNQQPFLYFQVLFLLTAQFE
 AAVAFLLFRMERLRCHAVHVALVLFELKLLKSSGQSAQLLSHEPGDPPCLRRNLNFVRLMLYTRKFESTD
 PREALQYFYFLRDEKDSQGENMFLRCVSELVIESREFDMILGKLENDGSRKPGVIDKFTSDTKPIINKVA
 SVAENKGLFEEAAKLYDLAKNADKVELMNKLLSPVVPQISAPQSNKERLKNMALSAERYAQQGISANK
 FVDSTFYLLDLITTFDEYHSGHIDRAFDIERLKLVLNQESVEERVAEFRNFSDEIRHNLSEVLLATM
 NILFTQFKRLKGTSPSSSRPQRVIEDRDSQLRSQARTLITFAGMIPYRTSGDTNARLVQMEVLMN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001242795

ORF Size: 2088 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_001242795.2](#)

RefSeq Size: 2927 bp

RefSeq ORF: 2091 bp

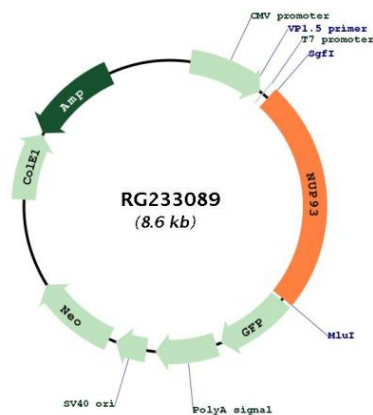
Locus ID: 9688

UniProt ID: [Q8N1F7](#)

Cytogenetics: 16q13

Gene Summary: The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. This gene encodes a nucleoporin protein that localizes both to the basket of the pore and to the nuclear entry of the central gated channel of the pore. The encoded protein is a target of caspase cysteine proteases that play a central role in programmed cell death by apoptosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RG233089