

Product datasheet for **SC330016**

NUP93 (NM_001242795) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP93 (NM_001242795) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP93
Synonyms:	NIC96
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC330016 representing NM_001242795.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCTGAGGAGTACCATCGGGAGTCAATGTTGGTTGAGTGGGAGCAAGTGAACAGCGAATTCTGCAC
 ACACTGCTGGCATCAGGAGAAGACGCCCTTGACTTTACTCAAGAAAGCGAGCCAAGCTACATCAGTGAT
 GTGGGACCCCTGGTGAAGCTCTCTGGATAACATCGAGATGGCCTATGCGCGGCAAAATTTATATCTAT
 AATGAGAAAAATTGTAATGGACACCTGCAGCCTAACCTGGTGGACCTTTGTGCTTCCGTGCGAGAGCTC
 GATGATAAGAGCATTTCCGACATGTGGACCATGGTAAAACAAATGACAGACGTGTTGTTGACACCGGCA
 ACGGATGCCCTGAAGAACCAGCAGCAGCGTGAAGTGCAGTGGAGTTTGTGAGGAGGCCTTGGCGTAC
 CTTGAGCAGAGTTATAAGAATTACACCCTTGCTGACTGTCTTTGGAATTTGCATCAGGCCAGCTGGGC
 GGGGTGCCTGGGACTTACCAATTGGTTCGAAGTTTCTGAACATTAAGTCCAGCTCCCTTGCTGGA
 CTACAGGATGGAGAGGTGAAGGCCATCCTGTGTGGGCGCTAATTTACTACTGCATGCGCTGTGGAGAC
 CTGCTTGGCGCTTACAGGTAGTTAATCGAGCCAGCAGCTGGGAGAGTTTAAACCTGGTTCAG
 GAGTACATGAACAGCAAGGACAGAAGATTGTCCCAGCTACGGAACAAAGCTCCGGCTGCATTACCGT
 AGGGCCCTCAGGAACAATACAGATCCCTACAAGCGGGCGTGTACTGTATCATTGCGAGATGTGACGTC
 ACCGACAACCAGAGTGAAAGTGGCGGACAAAAGTGAAGATTACCTGTGGCTGAAGTTGAACCAAGTGTGT
 TTTGACGACGATGGCACCAGCTCCCAACAAGACAGGCTCACTCTCTACAGTTCCAGAAGCAGTTGTTG
 GAAGACTATGGCGAGTCCCACTTTACGGTGAACAGCAACCCCTTCTCTACTTCCAAGTCTGTTCTCTG
 ACAGCGCAGTTTGAAGCAGCAGTTGCCTTTCTTTCCGCATGGAGCGGCTGCGCTGCCATGCTGTCCAT
 GTAGCACTGGTGCTGTTTGAGCTGAAGCTGCTTTTAAAGTCTCTGGACAGAGTGCTCAGCTCCTCAGC
 CACGAGCTGGTGACCTCCTTGCTTGGGCGGCTGAACCTCGTGCGGCTCCTCATGCTGTACACCCGG
 AAGTTTGAGTCCACGGACCCAAGGGAGGCCCTCCAGTACTTCTATTTCTCAGGGATGAGAAAGATAGT
 CAAGGAGAAAACATGTTTCTGCGCTGTGTGAGTGAGCTTGTGATTGAAAGCCGAGAGTTTCGATATGATT
 CTTGGGAAACTAGAGAATGACGGAAGTAGAAAGCCTGGAGTCATAGATAAGTTTACTAGTGACACAAAG
 CCTATTATCAACAAAGTTGCTTCTGTGGCAGAAAATAAAGGACTGTTTGAAGAGGAGCAAAAGCTGTAT
 GACCTTGCCAAGAATGCTGACAAGGTAAGTGGAGCTGATGAACAAAGTGTGAGCCCTGTCGTCCTCCAG
 ATCAGTGCCCGCAATCCAACAAGGAGAGGCTGAAGAACATGGCACTCTCCATTGCCGAACGGTATAGG
 GCTCAAGGAATAAGCGCAATAAATTTGTGACTCCACGTTCTATCTTTTGGACTTGATCACCTTT
 TTTGACGAGTATCATAGTGGTCATATTGATAGAGCTTTTGATATCATTGAGCGCTGAAGCTGGTGCCC
 CTGAATCAGGAAAGTGTGAAGAGAGAGTGGCTGCCTTCAGAAATTTAGTGATGAAATCAGGCACAAC
 CTCTCAGAAGTGCTTCTGCCACCATGAACATCTTGTTTACACAGTTTAAGAGGCTCAAGGGGACAAGT
 CCATCCTCGTCATCCAGGCCCCAGCGAGTCATCGAGGACCGGACTCTCAACTCCGAAGTCAAGCCCGC
 ACTCTGATTACCTTTGCTGGAATGATACCATACCGAACGCTCTGGGGACACCAATGCGAGGCTGGTGAC
 ATGGAGGTCTCATGAATTA

Restriction Sites: SgfI-MluI

ACCN: NM_001242795

Insert Size: 2091 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_001242795.1](#)

RefSeq Size: 2927 bp

RefSeq ORF: 2091 bp

Locus ID: 9688

UniProt ID: [Q8N1F7](#)

Cytogenetics: 16q13

MW: 79.9 kDa

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]

Transcript Variant: This variant (2) has a distinct 5' end which results in the use of an in-frame downstream start codon, compared to variant 1, and a protein (isoform 2) with a shorter N-terminus, compared to isoform 1. Variants 2 and 3 encode the same protein.