

Product datasheet for **SC321665**

NUP93 (NM_014669) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP93 (NM_014669) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP93
Synonyms:	NIC96
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014669.2
GACGGCTGTAGCACAAAGGATCTGCATCTCCAATGGATACTGAGGGGTTTGGTGAGCTCCT
TCAGCAAGCTGAACAGCTTGCTGCTGAGACTGAGGGCATCTCAGAGCTTCCCCATGTGGA
ACGGAACCTACAGGAGATCCAGCAGGCGGGAGAGCGCCTGCGTTCCTCGGTCTCGGGGACTTGA
CACGTCCCAGGAGACGGCAGATGTCAAGCGTCAGTTCTCCTCGGTCTCGGGGACTTGA
CATATCCCACATCTCCCAGCGATTGGAGAGTCTGAGTGCAGCCACCACCTTTGAGCCTCT
TGAGCCTGTGAAGGACACTGACATTTCAGGGCTTCTGAAGAATGAGAAGGACAATGCCCT
GCTGTCTGCCATCGAAGAGTCCCGGAAGAGGACCTTCGGCATGGCTGAGGAGTACCATCG
GGAGTCAATGTTGGTTGAGTGGGAGCAAGTGAAACAGCGAATTCTGCACACACTGCTGGC
ATCAGGAGAAGACGCCCTTGACTTTACTCAAGAAAGCGAGCCAAGCTACATCAGTGATGT
GGGACCCCTGGTCAAGCTCTCTGGATAACATCGAGATGGCCTATGCGCGGCAATTTA
TATCTATAATGAGAAAATTGTAATGGACACCTGCAGCCTAACCTGGTGGACCTTTGTGC
TTCCGTCGCAGAGCTCGATGATAAGAGCATTTCCGACATGTGGACCATGGTAAAAACAAAT
GACAGAGCTGTTGTTGACACCGCAACGGATGCCCTGAAGAACCGCAGCAGCGTGAAGT
GCGCATGGAGTTTGTGAGGACGGCTTGGCGTACCTTGAGCAGAGTTATAAGAATTACAC
CCTTGTGACTGTCTTTGGAATTTGCATCAGGCCCAGCTGGGCGGGGTGCTGGGACTTA
CCAATTGGTTTCAAGTTTCTGAACATTAACCTGCCAGCTCCCTTGCTGGACTACAGGA
TGGAGAGGTGGAAGGCCATCCTGTGTGGGCGCTAATTTACTACTGCATGCGCTGTGGAGA
CCTGCTTGCCGCTTACAGGTAGTTAATCGAGCCCAGCACCAGCTGGGAGAGTTTAAAC
CTGGTTCCAGGAGTACATGAACAGCAAGGACAGAAGATTGTCCCAGCTACGGAAAAACAA
GCTCCGGCTGCATTACCGTAGGGCCCTCAGGAACAATACAGATCCCTACAAGCGGGCCGT
GTACTGTATCATTGGCAGATGTGACGTCAACGACAACAGAGTGAAGTGGCGGACAAAAC
TGAGGATTACCTGTGGCTGAAGTTGAACCAAGTGTGTTTGGACGAGTGGCACCAGCTC
CCACAAGACAGGCTCACTCTCTCACAGTTCCAGAAGCAGTTGTTGGAAGACTATGGCGA
GTCCCACTTTACGGTGAACAGCAACCTTCTCTACTTCCAAGTCTGTTCTGACAGC
GCAGTTTGAAGCAGCAGTTGCCTTTCTTTTCCGCATGGAGCGGCTGCGTGCCATGCTGT
CCATGTAGCACTGGTGTGTTGAGCTGAAGCTGCTTTTAAAGTCTCTGGACAGAGGGC
TCAGCTCCTCAGCCACGAGCCTGGTGACCCTCCTTGCTTGGCGCGGCTGAACTTCGTGCG
GCTCCTCATGCTGTACACCCGGAAGTTTGAAGTCCACGGACCAAGGGAGGCCCTCCAGTA
CTTCTATTTCTCAGGGATGAGAAAGATAGTCAAGGAGAAAACATGTTTCTGCGCTGTGT
GAGTGAGCTTGTGATTGAAAGCCGAGAGTTCGATATGATTCTTGGGAACTAGAGAATGA
CGGAAGTGAAGAGCCTGGAGTCATAGATAAGTTTACTAGTGACACAAAGCCTATTATCAA
CAAAGTTGCTTCTGTGGCAGAAAATAAAGGACTGTTTGAAGAGGAGCAAGCTGTATGA
CCTTGCCAAGAATGCTGACAAGGTAAGTGGAGCTGATGAACAAACTGCTGAGCCCTGTGCT
CCCCCAGATCAGTGCCCCGCAATCCAACAAGGAGAGGCTGAAGAACATGGCACTCTCCAT
TGCCGAACGGTATAGGGCTCAAGGAATAAGCGCAAATAAATTTGTGGACTCCACGTTCTA
TCTTCTTTTGGACTTGATCACCTTTTTTACGAGTATCATAGTGGTCATATTGATAGAGC
TTTTGATATCATTGAGCGCTTGAAGCTGGTGCCCTGAATCAGGAAAGTGTGGAAGAGAG
AGTGGCTGCCTTCAGAAATTTCAAGTATGAAATCAGGCACAACCTCTCAGAAGTGCTTCT
TGCCACCATGAACATCTTGTTCACACAGTTTAAAGAGGCTCAAGGGGACAAGTCCATCCTC
GTCATCCAGGCCCGAGGAGTATCGAGGACCGGAGTCTCAACTCCGAAGTCAAGCCCG
CACTCTGATTACCTTTGCTGGAATGATACCATACCGAACGTCTGGGGACACCAATGCGAG
GCTGGTGCAGATGGAGGTCCTCATGAATTAAGTGCCATGCTTTGTGGAGTCTGGGTGCG
CACACTGTCAGTACATCAGGCACATGGGCCCACTAGGCTGGGTTTCTGGTTTTGTTTCT
GTTGTGTTTTGTTTTGTTTTCTGTATTATGATTTTTGTCAACGCCAATAAATTTCTTTG
ATTTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014669

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_014669.2</u> , <u>NP_055484.2</u>
RefSeq Size:	2674 bp
RefSeq ORF:	2460 bp
Locus ID:	9688
UniProt ID:	<u>Q8N1F7</u>
Cytogenetics:	16q13
Domains:	NIC
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 (1) encodes the longer isoform (1).