

Product datasheet for **SC321873**

NUP62 (NM_012346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP62 (NM_012346) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP62
Synonyms:	IBSN; p62; SNDI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for NM_012346.3
 GAGAAATCTTCCAAGGCTGCAGACACCGACGGATTTGCTTTGGGAGCCAGAGTAGCTGC
 CGCCACCAGAGTCCGGAGCCATGAGCGGGTTAATTTTGGAGGCACTGGGGCCCCACAG
 GCGGGTTCACGTTTGGCACTGCAAAGACGGCAACAACCACACCTGCTACAGGGTTTTCTT
 TCTCCACCTCTGGCACTGGAGGGTTAATTTTGGGGCTCCCTTCCAACCAGCCACAAGTA
 CCCCTTCCACCGGCTGTTCTCACTTGCCACCCAGACTCCGGCCACACAGACGACAGGCT
 TCACTTTGGAAACAGCGACTCTTGCTTCCGGGGGAAGTGGATTTTCTTTGGGGATCGGTG
 CTTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCAGCCATGGCAAACCCAGCGGCT
 TTGGGCTGGGCAGCAGCAACCTACTAATGCCATATCGAGCACCGTCACCTCCAGCCAGG
 GCACAGCACCCACCGGCTTTGTGTTTGGCCCTCCACCACCTCTGTGGCTCCAGTACCA
 CATCTGGAGGCTTCTCATTCACTGGTGAAGCACGGCCAAACCTCCGGTTTCAACATTG
 GCTCAGCAGGGAATTAGCCCAGCCACGGCACCTGCCACGTTGCCCTTCACTCCGGCCA
 CGCCAGCAGCCACCACAGCAGGTGCCACACAGCCAGCTGCTCCACACCCACAGCCACCA
 TCACCAGTACTGGGCCAGCCTTTTGGGTCAATAGCAACTGCTCCAACCTCATCTGCCA
 CCACTGGACTCTCCCTCTGTACCCTGTGACCACAGCGGGCGCCCCACTGCTGGGACAC
 AGGGCTTCAGCTTAAAGGCACCTGGAGCAGCTTCCGGCACCTCCAACAACAACATCCACCG
 CTGCCACCGCCACCGCCACCACCAGCAGCAGCAGCACCCACCGGCTTTGCCTTGAATT
 TAAAACCACTGGCGCCAGCCGGGATCCCCAGCAATACAGCAGCTGCCGTGACCGCTCCAC
 CTGGCCCTGGCGCAGCTGCAGGGGCGGCTGCCAGCTCCGCCATGACCTACGCGCAGCTGG
 AGAGCCTGATCAACAAATGGAGCCTGGAGCTAGAGGACCAGGAGCGGCACCTTCTCCAGC
 AGGCCACCCAGGTCAACGCCTGGGACCGCACGCTGATCGAGAATGGAGAAAAGATACCA
 GCCTGCACCGCGAGGTGGAGAAGGTGAAGCTGGACCAGAAGAGGCTGGACCAGGAGTTCG
 ACTTCATCCTGTCCCAGCAGAAGGAGCTGGAAGACCTGCTGAGCCCACTGGAGGAGTTGG
 TCAAGGAGCAGACGGGACCATCTACCTGCAGCACGCGGATGAGGAGCGTGAGAAAACT
 ACAAGCTGGCTGAGAATCGACGCACAGCTCAAGCGCATGGCCAGGATCTCAAGGACA
 TCATCGAGCACCTGAACACGTCCGGGGCCCCCGCCGACACCAGTGACCCACTGCAGCAGA
 TCTGCAAGATCCTCAATGCGCACATGGACTCACTGCAGTGGATCGACCAGAACTCGGCC
 TGCTGCAGAGGAAGGTGGAGGAGGTGACCAAGGTGTGCGAGGGCCGGCGCAAGGAGCAGG
 AGCGCAGTTCGGATCACCTTTGACTGAGCGACAGCAGCCTGGGGCCCGCAGGTCCT
 AGGGAGTTCATGAGGGGAATGCGCCCTGTTGTCTGTAGTTTGGGGTTGTGGCAAGATACT
 TGTTTGTGTTGTTCTTTCTTTCACATGACTGCCCTTGACATGATCGCTGTGTGCTTTGCG
 TTTTTCCATTTAGGAGGGTATTCTGGGCCCTTCTGCCAGGCAGCAGCCTCATGGGTGTGG
 CTTCTGTGGCTTTCATTTGAGTATCTTTGGCCCTTTTACCTACTGCGACCACCACCT
 CATCCTGGCTCAGCCTGGTGATGGAGAAGTGCTGATGGTCTTGGTCCCAGCCAGGGTCGT
 GGGGGCAGCCACTCTCTCAAAGCATAGTCATAGGTGTCATGAAAAAATACCAAATGTAA
 GAGAACCTCCAAGTCAGGGCGCAGTGGCTCACCCCTGTAATCTCAGCACTTTGGGTGGCC
 AAGGCGGGCAGATGACTTGAGGTGAGGATTAAGACCAGCCTGGCCAACATGGTGAAC
 CCCGTCTCTACTAAAAATACAAAATAGTCAGGTGTGGTGGACGCTGTGATCTCAATC
 TCAGTACTCGGGAGGCTGAGGCAGGAGAATCACTTGAACCCAGGAGGTGTTGCAGTGAA
 CCAAGATCACACCACTGCACTCCAGCCTAGGCAACAGAGACTCTGTCTCAAAAAAAAAA
 AAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_012346

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 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: [NM_012346.3](#), [NP_036478.2](#)

RefSeq Size: 3253 bp

RefSeq ORF: 1569 bp

Locus ID: 23636

UniProt ID: [P37198](#)

Cytogenetics: 19q13.33

Domains: Nsp1_C

Protein Families: Druggable Genome, Transcription Factors

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. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins and is localized to the nuclear pore central plug. This protein associates with the importin alpha/beta complex which is involved in the import of proteins containing nuclear localization signals. Multiple transcript variants of this gene encode a single protein isoform. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. All variants encode the same protein.