

Product datasheet for **SC124487**

NUP62 (NM_153719) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP62 (NM_153719) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP62
Synonyms:	IBSN; p62; SNDI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_153719, the custom clone sequence may differ by one or more nucleotides

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ATGAGCGGGTTAATTTTGGAGGCACTGGGCCCCCTACAGGCGGGTTCACGTTTGGCACTGCAAAGACGG
CAACAACCACACCTGCTACAGGGTTTTCTTTCTCCACCTCTGGCACTGGAGGGTTAATTTTGGGGCTCC
CTTCCAACCAGCCACAAGTACCCTTCCACCGCCTGTTCTCACTTGCCACCCAGACTCCGGCCACACAG
ACGACAGGCTTCACTTTTGAACAGCGACTCTTGCTTCGGGGGAACTGGATTTTCTTTGGGGATCGGTG
CTTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCAGCCATGGCAAACCCAGCGGCTTTGGGCTGGG
CAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCACTCCAGCCAGGGCACAGCACCCACCGCTTT
GTGTTTGGCCCCCTCACCACCTCTGTGGCTCCAGCTACCACATCTGGAGGCTTCTATTCACTGGTGGAA
GCACGGCCCAACCCTCCGGTTTCAACATTGGCTCAGCAGGAATTAGCCACGCCACGGCACCTGCCAC
GTTGCCCTTCACTCCGGCCACGCCAGCAGCCACACAGCAGGTGCCACACAGCCAGCTGCTCCACACCC
ACAGCCACCATCACCAGCACTGGGCCAGCCTCTTTGCGTCAATAGCAACTGCTCCAACCTCATCTGCCA
CCACTGGACTCTCCCTCTGTACCCTGTGACCACAGCGGGCGCCCCACTGCTGGGACACAGGGCTTCAG
CTTAAAGGCACCTGGAGCAGCTTCCGGCACCTCCAACAACATCCACCGCTGCCACCGCCACCGCCACC
ACCACCAGCAGCAGCAGCACCACCGGCTTTGCCTTGAATTTAAAACCACTGGCGCCAGCCGGATCCCCA
GCAATACAGCAGCTGCCGTGACCCTCCACCTGGCCCTGGCGCAGCTGCAGGGGCGGCTGCCAGTCCGC
CATGACCTACGCGCAGCTGGAGAGCCTGATCAACAAATGGAGCCTGGAGCTAGAGGACCAGGAGCGGCAC
TTCTCCAGCAGGCCACCCAGGTCAACGCTGGGACCGCACGCTGATCGAGAATGGAGAAAAGATCACCA
GCCTGCACCGCGAGGTGGAGAAGGTGAAGCTGGACCAGAAGAGGCTGGACCAGGAGCTCGACTTCATCCT
ATCCCAGCAGAAGGAGCTGGAAGACCTGCTGAGCCACTGGAGGAGTTGGTCAAGGAGCAGCGGGGACC
ATCTACCTGCAGCAGCGGATGAGGAGCGTGAGAAAACCTACAAGCTGGTGAGAATCGATGCACAGC
TCAAGCGCATGGCCAGGATCTCAAGGACATCATCGAGCACCTGAACACGTCCGGGGCCCCCGCCGACAC
CAGTGACCCACTGCAGCAGATCTGCAAGATCTCAATGCCACATGGACTCACTGCAAGTGGATCGACCAG
AACTCGGCCCTGCTGCAGAGGAAGGTGGAGGAGGTGACCAAGGTGTGCGAGGGCCGGCGAAGGAGCAGG
AGCGCAGCTTCCGGATCACCTTTGACTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153719 unedited

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NAAAAAAAAAAAAANNAACACTCCCCCGTTCAAATTTGTATACGACTCCTATAGGCGG
CCGCGNATTCGGCACGNAGGTCCATCCACATCAGGACATCCCAGCTGGAGTTCAACCTT
CATCCCTTCTGTGGCAGTTAGGAGACTGAATCAAGGTCCAGAGAAGGTGGAGGAATCCTG
ATACTGAGCGAAATCTTCCCAAGGCTGCAGACACCGACGGATTTGCTTTGGGAGCCAGAG
TAGCTGCCGCCACCAGAGTCCGGAGCCATGAGCGGGTTAATTTTGGAGGCACTGGGGCC
CCTACAGGCGGGTTCACGTTTGGCACTGCAAAGACGGCAACAACCACACCTGCTACAGGG
TTTTCTTTCTCCACCTCTGGCACTGGAGGGTTAATTTTGGGGCTCCCTTCCAACCAGCC
ACAAGTACCCCTTCCACCGCCTGTTCTCACTTGCCACCCAGACTCCGGCCACACAGACG
ACAGGCTTCACTTTTGAACAGCGACTCTTGCTTCGGNGGGAACCTGGATTTTCTTTGGGG
ATCGGTGCTTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCAGCCATGGCAAACCC
AGCGGCTTTGGGCTGNGCAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCACCTCC
AGCCAGNGCACAGCACCCACCGGCTTTGTGTTTGGCCCTCCACCANCTCTGTGGCTCC
AGCTACCACATCTGGAGGCTTCTATTCACTGGTGAAGCACGGCCCCACCTTCCGTTT
CACATTGGCTCAGCAGGAAATCAGCCCAGCCACGGCACCTGCCACGTTGCCCTTACTT
NCGGCACGCAGCAGCCACACAGNAGTGCCACAAGGCAGTTGCTCCCCACCACAGNCCAT
TACCGTACTGGCCAGCCTTTTGCATATAGCACTGCCCAACTTTTGCACCTGGACTTT
CTTTGTACCCT
    
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Restriction Sites:

NotI-NotI

ACCN:

NM_153719

Insert Size:

4500 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:	<ol style="list-style-type: none"> 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_153719.2 , NP_714941.1
RefSeq Size:	3435 bp
RefSeq ORF:	3435 bp
Locus ID:	23636
UniProt ID:	P37198
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All variants encode the same protein.</p>