

Product datasheet for **RC224883**

NUP62 (NM_153719) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP62 (NM_153719) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NUP62
Synonyms:	IBSN; p62; SNDI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC224883 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

RCATGAGCGGGTTAATTTTGGAGGCACTGGGGCCCTACAGCGGGTTCAGTTTGGCACTGCAAAGAC
 GGCAACAACACACCTGCTACAGGGTTTTCTTCTCCACCTCTGGCACTGGAGGGTTAATTTTGGGGCT
 CCCTTCCAACCAGCCACAAGTACCCCTTCCACCGCCTGTTCTCACTTGCACCCAGACTCCGGCCACAC
 AGACGACAGGCTTCACTTTTGAACAGCGACTCTTGCTTCGGGGGGAAGTGGATTTCTTTGGGGATCGG
 TGCTTCAAAGCTCAACTTGAGCAACACAGCTGCCACCCAGCCATGGCAAACCCAGCGCTTTGGGCTG
 GGCAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCCAGCCAGGGCAGCAGCACCACCGGCT
 TTGTGTTTGGCCCTCCACCACCTCTGTGGCTCCAGCTACCACATCTGGAGGCTTCTCATTCACTGGTGG
 AAGCACGGCCAAACCCTCCGGTTTCAACATTGGCTCAGCAGGGAATTCAGCCAGCCACGGCACCTGCC
 ACGTTGCCCTTCACTCCGGCCACGCCAGCAGCCACCACAGCAGGTGCCACACAGCCAGCTGCTCCACAC
 CCACAGCCACCATCAACGACTACTGGGCCAGCCTCTTTGCGTCAATAGCAACTGCTCCAACCTCATCTGC
 CACCCTGGACTCTCCCTCTGTACCCCTGTGACCACAGCGGGCGCCCCACTGCTGGGACACAGGGCTTC
 AGCTTAAAGGCACCTGGAGCAGCTTCCGGCACCTCCACAACAACATCCACCGTGCACCCGCCACCGCCA
 CCACCACCAGCAGCAGCAGCACCACCGCTTTGCCTTGAATTTAAACCCTGGCGCCAGCCGGGATCCC
 CAGCAATACAGCAGCTGCCGTGACCGCTCCACCTGGCCCTGGCGCAGCTGCAGGGCGGCTGCCAGCTCC
 GCCATGACCTACGCGCAGCTGGAGAGCCTGATCAACAAATGGAGCCTGGAGCTAGAGGACCAGGAGCGGC
 ACTTCTCCAGCAGGCCACCCAGGTCAACGCCTGGACCGCAGCTGATCGAGAATGGAGAAAAGATCAC
 CAGCCTGCACCGGAGGTGGAGAAGTGAAGCTGGACCAGAAGAGGCTGGACCAGGAGCTCGATTCATC
 CTGTCCCAGCAGAAGGAGCTGGAAGACCTGCTGAGCCCACTGGAGGAGTTGGTCAAGGAGCAGAGCGGGA
 CCATCTACCTGCAGCACGCGGATGAGGAGCGTGAGAAAACCTACAAGCTGGCTGAGAATTCGACGCACA
 GCTCAAGCGCATGGCCAGGATCTCAAGGACATCATCGAGCACCTGAACACGTCGGGGGCCCGCCGAC
 ACCAGTGACCCACTGCAGCAGATCTGCAAGATCTCAATGCGCACATGGACTCACTGCAGTGGATCGACC
 AGAACTCGGCCCTGCTGCAGAGGAAGTGGAGGAGGTGACCAAGGTGTGCGAGGGCCGGCGCAAGGAGCA
 GGAGCGCAGCTTCCGGATCACCTTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224883 protein sequence
 Red=Cloning site Green=Tags(s)

X*AGLILEALGPLQAGSRLALQRRQQPHLLQGFLSPPLALEGLILGLPSNQPVPLPPACSHLPPRLRPH
 RRQASLLEQRLLLRGELDFLWGSVLQSST*ATQLPPQPWQTPAALGWAAATSLMPYRAPSPPARAQHPPA
 LCLAPPPPLWLQLPHLEASHSLVEARPNPPVSTLAQQGIQPSRHLPRCPSLRPRQPPQVPHSLLPH
 PQPPSPVLGPASLRQ*QLLQPHLPPLDPSVPL*PQRAPPLLGHRAA*RHLEQLPAPPQHPPLPPPPP
 PPPAAAAPPALP*I*NHWRQPGSPAIQQLP*PLHLALAQLQGRLPAPP*PTRSWRA*STNGAWS*RTTRSG
 TSSSRPPRSTPGTAR*SRMEKRSPACTARWRR*SWTRRGWTRSSTSSCPSRRSWKTC*AHWRSWSRSRAG
 PSTCSTRMRSVRKPTSWLRTSTHSSAWPRISRTSSST*TRPGPPPTPVTHCSRSARSSMRTWTHCSGST
 RTRPCCRGRWRR*PRCARAGARSRSAASGSPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

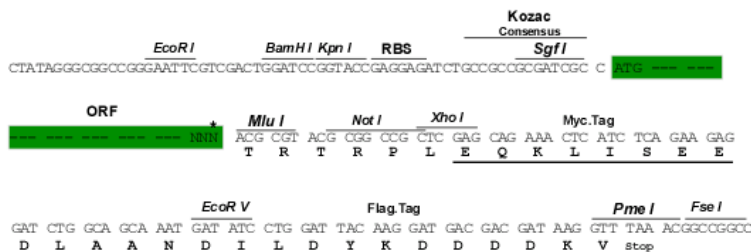
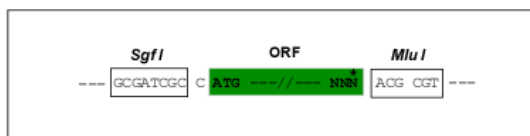
https://cdn.origene.com/chromatograms/mk6281_e07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


ACCN: NM_153719

ORF Size: 1566 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_153719.2](#), [NP_714941.1](#)
RefSeq Size: 3435 bp

RefSeq ORF: 1569 bp

Locus ID: 23636

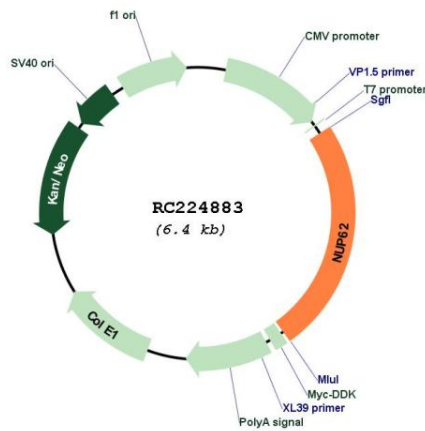
UniProt ID: [P37198](#)
Cytogenetics: 19q13.33

Protein Families: Druggable Genome, Transcription Factors

MW: 53.3 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. 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]

Product images:



Circular map for RC224883