

Product datasheet for **RG234347**

NUP62 (NM_001193357) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NUP62
Synonyms:	IBSN; p62; SNDI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG234347 representing NM_001193357
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCGGGTTAATTTTGGAGGCACTGGGGCCCTACAGGCGGGTTCACGTTTGGCACTGCAAAGACGG
 CAACAACCACACCTGCTACAGGGTTTCTTTCTCCACCTCTGGCACTGGAGGGTTAATTTTGGGGCTCC
 CTTCCAACCAGCCACAAGTACCCCTCCACCGGCTGTTCTCACTTGCCACCCAGACTCCGGCCACACAG
 ACGACAGGCTTCACTTTTGGAAACAGCACTCTTCTCGGGGGAACTGGATTTTCTTTGGGGATCGGTG
 CTTCAAAGCTCACTTGAAGCAACAGCTGCCACCCAGCCATGGCAAACCCAGCGGCTTTGGGCTGGG
 CAGCAGCAACCTCACTAATGCCATATCGAGCACCGTCACCTCCAGCCAGGGCACAGCACCCACCGGCTTT
 GTGTTTGGCCCTCCACACCTCTGTGGCTCCAGCTACCACATCTGGAGGCTTCTCATTCACTGGTGAA
 GCACGGCCCAACCTCCGGTTTCAACATTGGCTCAGCAGGAATTAGCCAGCCACGGCACCTGCCAC
 GTTGCCCTTCACTCCGGCCACGCCAGCAGCCACCACAGAGGTGCCACACAGCCAGCTGCTCCACACCC
 ACAGCCACCATCACCAGCACTGGGCCAGCCTCTTTCGCTCAATAGCAACTGCTCCAACCTCATCTGCCA
 CCACTGGACTCTCCCTCTGTACCCCTGTGACCACAGCGGGCGCCCCCACTGCTGGGACACAGGGCTTCAG
 CTTAAGGACCTGGAGCAGCTTCCGGCACCTCCACAACAATCCACCGCTGCCACCGCCACCGCCACC
 ACCACAGCAGCAGCAGCACCACCGGCTTTGCCTTGAATTTAAACCACTGGCGCCAGCGGGATCCCCA
 GCAATACAGCAGCTGCCGTGACCGCTCCACCTGGCCCTGGCGCAGCTGCAGGGCGGCTGCCAGCTCCGC
 CATGACCTACGCGCAGCTGGAGAGCTGATCAACAAATGGAGCCTGGAGCTAGAGGACCAGGAGCGGCAC
 TTCTCCAGCAGGCCACCCAGGTCAACGCCTGGACCGCACGCTGATCGAGAATGGAGAAAAGATCACCA
 GCCTGCACCGCAGGTGGAGAAGGTGAAGCTGGACCAGAAGAGGCTGGACCAGGAGCTCGACTTCATCCT
 GTCCCAGCAGAAGGAGCTGGAAGACCTGCTGAGCCACTGGAGGAGTTGGTCAAGGAGCAGAGCGGGACC
 ATCTACCTGCAGCAGCGGATGAGGAGCTGAGAAAACCTACAAGCTGGCTGAGAACATCGATGCACAGC
 TCAAGCGCATGGCCAGGATCTCAAGGACATCATCGAGCACCTGAACACGTCCGGGGCCCCCGCCGACAC
 CAGTGACCCACTGCAGCAGATCTCAAGATCCTCAATGCGCACATGGACTCACTGCAGTGGATCGACCAG
 AACTCGGCCCTGCTGCAGAGGAAGGTGGAGGAGTGACCAAGGTGTGCGAGGGCCGGCGCAAGGAGCAGG
 AGCGCAGCTTCCGGATCACCTTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234347 representing NM_001193357
 Red=Cloning site Green=Tags(s)

MSGFNFGGTGAPTGGFTFGTAKTATTTATGFSFSTSGTGGFNFAPFPATSTPSTGLFSLATQTPATQ
 TTGFTFGTATLASGGTGFSLGIGASKLNLNTAATPAMANPSGFLGSSNLNLAISSTVTSSQGTAPTGF
 VFGPSTTSVAPATTSGGFSFTGGSTAQPSGFNIGSAGNSAQPTAPATLPFTPATPAATTAGATQPAAPTP
 TATITSTGPSLFAIATAPTSSATTGLSLCTPVTTAGAPTAGTQGFSLKAPGAASGTSTTTSTAATATAT
 TTSSSTTGFAFNLKPLAPAGIPSNATAAVTAPPGGAAAGAAASSAMTYAQLESINKWSLELEDQERH
 FLQQTQVNAWDRTLIENTEKITSLHREVEKVKLDQKRLDQELDFILSQKLELDLLSPLEELVKEQSGT
 IYLQHADEEREKTYKLAENIDAQLKRMAQDLKDIIIEHLNTSGAPADTSPLQICKILNAHMDSLQWIDQ
 NSALLQRKVEEVTKVCEGRRKEQERSFRITFD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193357

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001193357.2](#)

RefSeq Size: 3200 bp

RefSeq ORF: 1569 bp

Locus ID: 23636

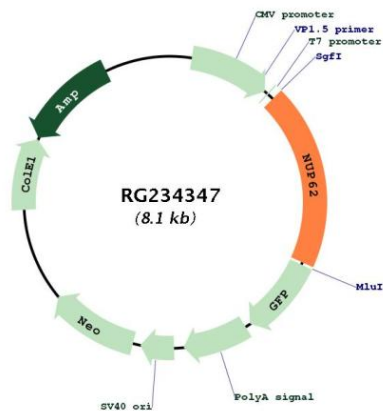
UniProt ID: [P37198](#)

Cytogenetics: 19q13.33

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]

Product images:



Circular map for RG234347