

Product datasheet for **RR202316**

Nup62 (NM_023098) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup62 (NM_023098) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup62
Synonyms:	Np62
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR202316 representing NM_023098
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGGGTTTAACTTTGGAGGCACCGGGCTCTGCTGGCGGCTTTACATTTGGGACCGCAAAGACTG
 CGACCACCACACCCGCCACTGGCTTTTCTTCTCTGCTTCTGGCACCGGACCGGAGGGTTAATTTTGG
 GACTCCCTCCCAGCCAGCTGCGACCACCCCTTCCACCAGCCTTCTCTCACTTGCCACACAGACCTCAACC
 ACACAGACCCCAGGATCAACTTTGGAACAACCTGCTTCTGGGGGAACAGGCTTCTCCCTGGGGATCA
 GCACCCAAAGCTCAGCCTAAGTAGCACAGCCGCACACCAGCCACAGCCAACACTGGCAGCTTTGGGCT
 TGGCAGCAGTACTTTACCAATGCCATCTCAGGTGCCAGCACCTCCAGCCAGGGGACAGCCCCACTGGC
 TTTGTCTTTGGCTCTTACCACCTCTGCTCCGTCACCCGGCACCCAGGATTCTATTACCAGTGGCA
 GTGCATCCAGCCTGGAGCCTCCGGCTTAACATTGGCTCTGTGGGTAGTTTGGCCAGCCACAGCACT
 GTCTGGCTCTCCCTTCACTCCAGCCACTCTGGCGACAACACAGCCAGGAGCAACACAGCCAGCTGCTGCT
 ACACCCACTGCTGCCACCACAGTGCAGGGTCTACACTGTTTGCTTCAATAGCTGCTGCTCCTGCCTCAT
 CCACTACTACAGTCTTCCCTCTCAGCTCCAGCGACAACAGCCACTCCTACTGCTGGGACTTTGGG
 CTTGAGCCTCAAGGCCCTGGAGCAGCTCCTGGTGCCTCCACCACCAGCACCACCCTACTACTACCACC
 ACCACTACTACTGCCTCCACCTCCTCCTCCACCAGCACCCTGGCTTTGCCTTAAGCCTGAAACCCCTGG
 TGCCAGCTGGCCCCAGCAGCGTGGCAGCTACTGCTCTGCCTGCCTCCAGCACAGCAGTTGGGACTACGAC
 GGGTCCAGCAATGACCTACGCGCAGCTGAAAAGCCTGATCAACAAGTGGAGTCTGGAGCTGGAGGACCAG
 GAGCGGCACTTCTGCAGCAGCCACCGAGTCAATGCCTGGGACCGCACACTGATTGAGAATGGGGAGA
 AGATCACCAGCCTGCACCGAGAGGTGAAAAGGTGAAGCTGGATCAGAAGCGTCTGGACCAGGAGTGA
 CTTTATCCTGTACAGCAGAAGGAGCTGGAAGACCTTCTGAGCCGTTAGAGGAGTCAAGTGAAGGAGCAA
 AGTGGCACCATCTACCTCAGCATGCTGATGAGGAGCGTGAAGACCTACAAGCTGGCTGAGAATATCG
 ATGCTCAGCTCAAGCGCATGGCCAGGACCTCAAGGACATTATTGAGCACCTGAACATGGCTGGTGGCC
 TGCAGACACCAGTACCCACTGCAGCAGATCTGCAAGATCCTCAATGCACACATGGACTCCCTTCACTGG
 GTGGACCAGACTCTGCCCTGCTGCAGAGGAGGTGGAGGAGCCAGCCGTGTGTGTGAGAGCCGGCGCA
 AGGAACAGGAACGCAGCCTGCGCATTGCCTTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202316 representing NM_023098
 Red=Cloning site Green=Tags(s)

MSGFNFGGTGAPAGGFTFGTAKTATTTTPATGFSFSASGTGTGGFNGFGPSQPAATTPSTSLFSLATQTST
 TQTPGFNFGTTPASGGTGFSLGISTPKLSLSSTAATPATANTGSFGLGSSTLTNAISGASTSSQGTAPTG
 FVFGSSTTSAPSTGTTGFSFTSGSASQPGASGFNIGSVGSLAQPTALSGSPFTPATLATTAGATQPAAA
 TPTAATTSAGSTLFAAIAAPASSSTTVLSLAPATTAATPTAGTLGFLKAPGAAPGASTSTTTTTTTT
 TTTTASTSSSTTTGFLSLKPLVPAGPSSVAATALPASSTAVGTTTGPAMTYAQLESINKWSLELEDQ
 ERHFLQATQVNAWDRTLIENGEKITSLHREVEKVKLDQKRLDQELDFILSQQKELDLLSPLEESVKEQ
 SGTIYLQHADEEREKTYKLAENIDAQLKRMAQDLKDIIIEHLNMAGGPADTSDPLQIQICKILNAHMSLQW
 VDQSSALLQRRVEEASRVCESTRRKEQERSLRIAFD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

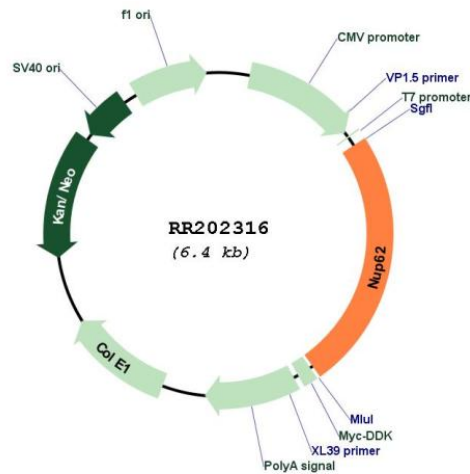
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_023098
ORF Size:	1575 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:	<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_023098.2 , NP_075586.1
RefSeq Size:	2461 bp
RefSeq ORF:	1578 bp
Locus ID:	65274
UniProt ID:	P17955
Cytogenetics:	1q22
MW:	53.4 kDa
Gene Summary:	component of the nuclear pore complex; may be involved in nuclear pore transport [RGD, Feb 2006]