

Product datasheet for **RC204990**

NUP62CL (NM_017681) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NUP62CL (NM_017681) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NUP62CL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204990 representing NM_017681
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTTTACCTCAATATCAAATTCTTTGACCTCCACTGCTGCTATTGGGCTCTCATTTACAACCTCAA
CGACTACCACCGCCACTTTCACCACCAACACTACTACCACAATCACCAGTGGCTTTACTGTGAACCAAAA
CCAAGTGTATCAAGAGGGTTTGAACCTTGTACCTTATACTTCAACTGTTAGTGTAGTAGCAACTCCT
GTGATGACATATGGTCACTCTGGAGGGTCTTATAAATGAGTGGAACCTTGAGCTGGAAGATCAAGAGAAGT
ACTTTCTTCCAGGCCACTCAGGTCAATGCTTGGGACCACATTGATTGAGAATGGTGAATGATTGCTG
TATTTTACATGGAGAAGTGAACAAAGTAACTGGATCAGAAAAGATTGGAACAAGAATTGGATTTTATC
CTGTCACAGCAGCAGGAAGTCTGTTGACTTATTTAGAGGAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204990 representing NM_017681
Red=Cloning site Green=Tags(s)

MQFTSISNSLTSTAAIGLSFTTSTTTTATFTNTTTTITSGFTVNQNQLLSRGFENLVPYTVSVVATP
VMTYGHLEGLINEWNLELEDQEKYFLLQATQVNAWDHTLIENGEMIRILHGEVNVKLDQKRLEQELDFI
LSQQQELEFLLTYLEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1456_a12.zip

Restriction Sites: SgfI-MluI



[View online >](#)

Cloning Scheme:



ACCN: NM_017681

ORF Size: 471 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 Size: 1685 bp

RefSeq ORF: 555 bp

Locus ID: 54830

UniProt ID: [Q9H1M0](#)

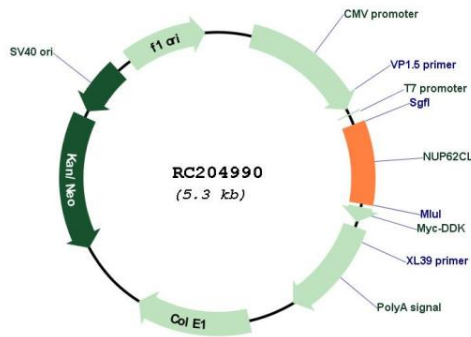
Cytogenetics: Xq22.3

Domains: Nsp1_C

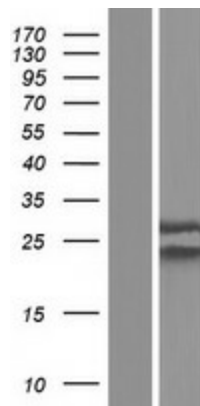
MW: 17.72 kDa

Gene Summary: This gene encodes a protein containing a domain found in nucleoporins which are glycoproteins found in nuclear pore complexes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RC204990



Western blot validation of overexpression lysate (Cat# [LY413629]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204990 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).