

Product datasheet for **RC203981**

GNL3L (NM_019067) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | GNL3L (NM_019067) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | GNL3L |
| Synonyms: | GNL3B |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC203981 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGAAACTTAGACACAAAAATAAAAAGCCAGGTGAAGTTCCAAGGGCCACAAGAAGATAAGTTGGC
 CCTACCCTCAGCCTGCAAAGCAAAATGGGAAGAAAGCAACCTCCAAAGTGCCCTCTGCACCTCATTTTGT
 TCACCCCAATGATCATGCCAATCGAGAGGCTGAATTAAGAAGAAGTGGGTTGAGGAGATGAGGGAGAAG
 CAGCAAGCCGCCGGGAGCAAGAAAGACAAAAACGCAGGACCATTGAGAGCTACTGTGAGGATGTCTTAA
 GACGCCAGGAGGAGTTTGAAGCAAAAGGAGTTTTCAGGAATTAATATGTTTCTCAGCTGGATGA
 CGAGGCCACGAGGAAGGCTTATTACAAGGAGTTCCGTAAGGTGGTGAATACTCTGATGTGATTCTGGAA
 GTCCTGGATGCCAGAGACCCATTAGGCTGCCGCTGCTTCCAAATGGAGGAGGCTGTCTGCGAGCACAAG
 GCAACAAGAAGCTGGTCTGGTCTTGAACAAGATTGACCTGGTCCCAAGGAGGTTGGGAGAAATGGCT
 GGATTACCTTCGGAATGAGTTGCCAACCGTGGCTTCAAGGCCAGTACCCAGCATCAGGTCAAAAACCTG
 AATCGTTGCAGTGTGCCAGTAGATCAGGCCTCTGAGTCACTGCTGAAAAGCAAAGCTGCTTTGGAGCTG
 AAAACCTCATGAGGGTTCTGGGGAATATTGCCGCTTGGTGAAGTGCACCCACATTCGTGTGGGTGT
 TGTGGGTCTTCCAATGTTGGGAAGAGCAGCCTGATCAATAGCCTGAAGCGCAGCCGCGCATGCAGCGTG
 GGAGCTGTTCTGGAAATACCAATTCATGCAGGAGGTCTACCTGGACAAGTTTACCCGGCTCTTGGATG
 CTCCAGGCATTGTCCAGGGCCAACTCAGAGGTGGGCACCATCTGCGTAACTGCGTCCACGTGCAGAA
 GCTGGCAGACCTGTGACCCAGTGGAGACCATCTGCAGCGTGCAACCTGGAGGAGATTTCCAATAT
 TATGGCGTCTCTGGTTCCAGACCACTGAGCACTTCTGACGGCAGTGGCCACCGTTGGGGAAGAAGA
 AGAAGGGAGGCTTATATAGTCAGGAACAGCGCGCCAAAGCTGTCTAGCTGACTGGTGAGCGGGAAGAT
 CAGCTTCTATATACCACCACCGCACTCACACTCTGCCACCCATCTCAGTGCTGAGATCGTTAAGGAA
 ATGACCGAGGTCTTTGACATCGAGGATACTGAGCAGGCCAATGAAGACCCATGGAATGCTTGGCCACCG
 GAGAATCTGATGAGCTGTTGGGTGACACGGACCCACTTGAATGGAGATCAAGTTGCTCCATTCTCCGAT
 GACGAAAAATAGCAGATGCCATTGAAAAATAAAACCACCGTGTATAAGATTGGAGATCTCACTGGGTATTGC
 ACCAATCCGAACCGTCATCAGATGGGGTGGGCTAAACGCAATGTGGACCACCGCCCTAAGAGCAACAGTA
 TGGTGGATGTCTGCTCAGTGGACCGCCGCTCAGTGTGACAGAGGATCATGGAGACGGACCCCTGCAACA
 GGGCCAGGCTCTGGCATCTGCCCTGAAAAATAAGAAGAAGATGCAGAAACGTGCAGATAAAATCGCCAGC
 AAGCTGTCTGATCCATGATGTCTGCTCTCGACCTCTCTGGCAATGCTGATGATGGTGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203981 protein sequence
 Red=Cloning site Green=Tags(s)

MMKLRHKNKPKGEGSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANREAELKKKWEEMREK
 QQAAREQERQKRRTIESYQDVLRRQEEFEHKEEVLQELNMFPLDDEATRKYKFRKVVVEYSVILE
 VLDARDPLGCRCFQMEEAVLRAQGNKLVVLNKLIDLPKEVVEKWL DYLRLNELPTVAFKASTQHVKNL
 NRCSVPVDQASELLKSKACFGAENLMRVLGNYCRLGEVRTHIRVGVVGLPNVGKSSLINSLKRSRACSV
 GAVPGITKFMQEVYLDKFI RLLDAPGIVP GPNSEVGTILRNCVHVQKLADPVTPVETILQRCNLEEISNY
 YGVSGFQTEHFLTAVAHRLGKKKGGLYSQEQAQAVLADWVSGKISFYIPPPATHLPTHL SAEIVKE
 MTEVFDIEDTEQANEDTMECLATGESDELLGDTDPLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGYC
 TNPNRHQMGWAKRNVDRPKSNSMVDVCSVDRRSVLQRIMETDPLQGGQALASALKNKKMKQKRADKIAS
 KLSDSMMSALDLSGNADDGVGD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6747_d11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_019067

ORF Size: 1746 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_019067.6](#)

RefSeq Size: 8573 bp

RefSeq ORF: 1749 bp

Locus ID: 54552

UniProt ID: [Q9NVN8](#)

Cytogenetics: Xp11.22

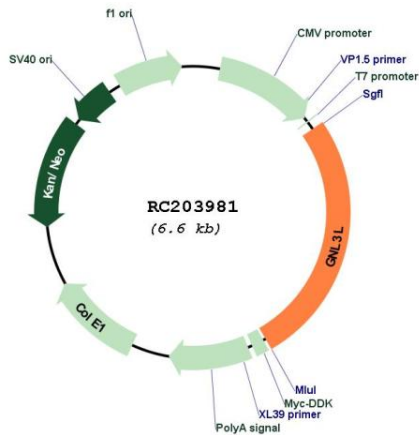
Domains: MMR_HSR1

Protein Families: Protease

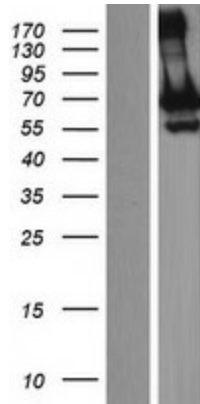
MW: 65.6 kDa

Gene Summary: The protein encoded by this gene appears to be a nucleolar GTPase that is essential for ribosomal pre-rRNA processing and cell proliferation. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, May 2010]

Product images:



Circular map for RC203981



Western blot validation of overexpression lysate (Cat# [LY412780]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203981 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).