

Product datasheet for **RC230312**

GNL3L (NM_001184819) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNL3L (NM_001184819) 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:**

>RC230312 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGAAACTTAGACACAAAAATAAAAGCCAGGTGAAGGTTCCAAGGGCCACAAGAAGATAAGTTGGC
 CCTACCCTCAGCCTGCAAAGCAAAATGGGAAGAAAGCAACCTCCAAAGTGCCCTCTGCACCTCATTTTGT
 TCACCCCAATGATCATGCCAATCGAGAGGCTGAATTAAGAAGAAGTGGGTTGAGGAGATGAGGGAGAAG
 CAGCAAGCCGCCGGGAGCAAGAAAGACAAAACGCAGGACCATTGAGAGCTACTGTGAGGATGTCTTAA
 GACGCCAGGAGGAGTTTGAAGCATAAGGAGGAAGTTTGCAGGAATTAATATGTTTCTCAGCTGGATGA
 CGAGGCCACGAGGAAGGCTTATTACAAGGAGTTCCGTAAGGTGGTGAATACTCTGATGTGATTCTGGAA
 GTCCTGGATGCCAGAGACCCATTAGGCTGCCGCTGCTTCCAAATGGAGGAGGCTGTCCTGCGAGCACAAG
 GCAACAAGAAGCTGGTCTGGTCTTGAACAAGATTGACCTGGTCCCAAGGAGGTTGTGGAGAAATGGCT
 GGATTACCTTCGAATGAGTTGCCAACCGTGGCTTTCAAGGCCAGTACCCAGCATCAGGTCAAAACCTG
 AATCGTTGCAGTGTGCCAGTAGATCAGGCCTCTGAGTCACTGCTGAAAAGCAAAGCTGCTTTGGAGCTG
 AAAACCTCATGAGGGTTCTGGGGAATATTGCCGCCTTGGTGAAGTGCACCCACATTCGTGTGGGTGT
 TGTGGGTCTTCCAATGTTGGGAAGAGCAGCCTGATCAATAGCCTGAAGCGCAGCCGCGCATGCAGCGTG
 GGAGCTGTTCTTGAATTAACCAATTCATGCAGGAGGTCTACCTGGACAAGTTTATCCGGCTCTTGGATG
 CTCCAGGCATTGTCCAGGGCCCACTCAGAGGTGGGCACCATCTGCGTAAGTCCGCTCCACGTGCAGAA
 GCTGGCAGACCTGTGACCCAGTGGAGACCATCTGCAGCGTGCAACCTGGAGGAGATTTCCAATAT
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 GACGAAAATAGCAGATGCCATTGAAAATAAAACCACCGTGTATAAGATTGGAGATCTCACTGGGTATTGC
 ACCAATCCGAACCGTCATCAGATGGGGTGGGCTAAACGCAATGTGGACCACCGCCCTAAGAGCAACAGTA
 TGGTGGATGTCTGCTCAGTGGACCGCCGCTCAGTGTGCAGAGGATCATGGAGACGGACCCCTGCAACA
 GGGCCAGGCTCTGGCATCTGCCCTGAAAATAAGAAGAAGATGCAGAAACGTGCAGATAAAATCGCCAGC
 AAGCTGTCTGATTCCATGATGTCTGCTCTGCACCTCTCTGGCAATGCTGATGATGGTGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230312 protein sequence
 Red=Cloning site Green=Tags(s)

MMKL RHKNK KPGE GSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANREAELKKKWVEEMREK
 QQAAREQERQKRRTIESYQDVLRRQEFEHKEEVLQELNMFPLDDEATRKAYYKEFRKVVEYSVDVILE
 VLDARDPLGCRCFQMEEAVLRAQGNKKLVVLNKIDLVPKEVVEKWL DYLRLNELPTVAFKASTQHVKNL
 NRCSVPVDQASELLKSKACFGAENLMRVLGNYCRLGEVRTHIRVGVLPLNVGKSSLINSLKRSRACSV
 GAVPGITKFMQEYVLDKFI RLLDAPGIVGPNSEVGTILRNCVHVQKLADPVTPVETILQRCNLEEISNY
 YGVSGFQTTEHFLTAVAHRLGKKKKGGLYSQEQAAKAVLADWVSGKISFYIPPPATHLPTHL SAEIVKE
 MTEVFDIEDTEQANEDTMECLATGESDELLGDTDPLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGyc
 TNPNRHQMGWAKRNVDRPKSNSMVDVCSVDRRSVLQRIMETDPLQGGQALASALKNNKKMQKRADKIAS
 KLSDSMMSALDL SGNADDGVGD

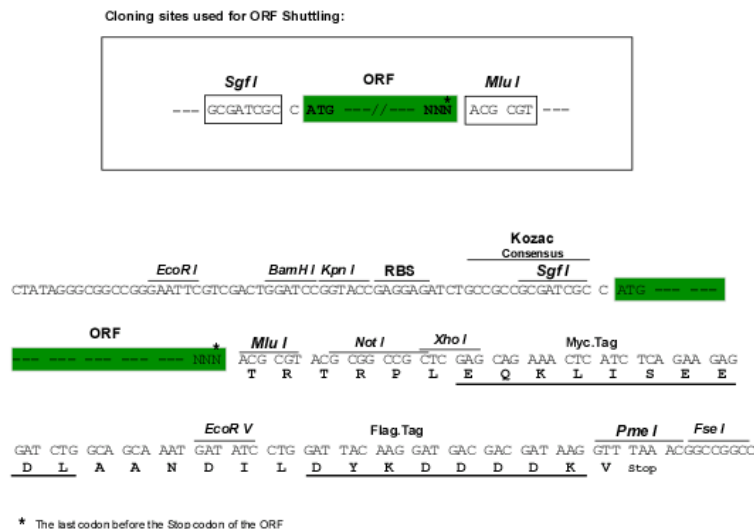
TRTRPLE**QKLISEEDLA**ANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001184819

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_001184819.2](#)

RefSeq Size: 8690 bp

RefSeq ORF: 1749 bp

Locus ID: 54552

UniProt ID: [Q9NVN8](#)

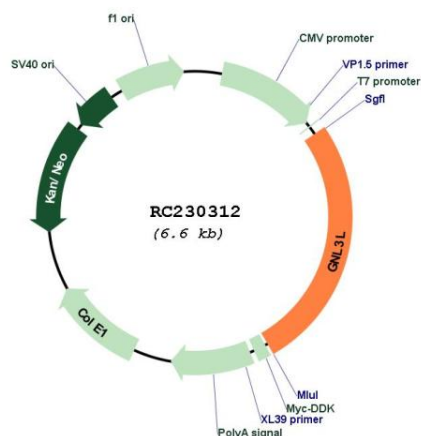
Cytogenetics: Xp11.22

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 RC230312