

Product datasheet for **RG203981**

GNL3L (NM_019067) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNL3L (NM_019067) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GNL3L
Synonyms:	GNL3B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG203981 representing NM_019067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAACTTAGACACAAAAATAAAAAGCCAGGTGAAGTTCCAAGGGCCACAAGAAGATAAGTTGGC
 CCTACCCTCAGCCTGCAAAGCAAAATGGGAAGAAAGCAACCTCCAAGTGCCCTCTGCACCTCATTTTGT
 TCACCCCAATGATCATGCCAATCGAGAGGCTGAATTAAGAAGAAGTGGGTTGAGGAGATGAGGGAGAAG
 CAGCAAGCCGCCGGGAGCAAGAAAGACAAAAACGCAGGACCATTGAGAGCTACTGTGAGGATGTCTAA
 GACGCCAGGAGGAGTTTGAAGCAAAAGGAGGTTTTCAGGAATTAATATGTTTCTCAGCTGGATGA
 CGAGGCCACGAGGAAGGCTTATTACAAGGAGTTCCGTAAGGTGGTGAATACTCTGATGTGATTCTGGAA
 GTCCTGGATGCCAGAGACCCATTAGGCTGCCGCTGCTTCCAAATGGAGGAGGCTGTCTGCGAGCACAAG
 GCAACAAGAAGCTGGTCTGGTCTTGAACAAGATTGACCTGGTCCCAAGGAGGTTGTGGAGAAATGGCT
 GGATTACCTTCGGAATGAGTTGCCAACCGTGGCTTCAAGGCCAGTACCCAGCATCAGGTCAAAAACCTG
 AATCGTTGCAGTGTGCCAGTAGATCAGGCCTCTGAGTCACTGCTGAAAAGCAAAGCTGCTTTGGAGCTG
 AAAACCTCATGAGGGTTCTGGGGAATATTGCCGCTTGGTGAAGTGCACCCACATTCGTGTGGGTGT
 TGTGGGTCTTCCAATGTTGGGAAGAGCAGCCTGATCAATAGCCTGAAGCGCAGCCGCGCATGCAGCGTG
 GGAGCTGTTCTGGAAATACCAATTCATGCAGGAGGTCTACCTGGACAAGTTTACCCGGCTCTTGGATG
 CTCCAGGCATTGTCCAGGGCCAACTCAGAGGTGGGCACCATCTGCGTAACTGCGTCCACGTGCAGAA
 GCTGGCAGACCCTGTGACCCAGTGGAGACCATCTGCAGCGTGCAACCTGGAGGAGATTTCCAATAT
 TATGGCGTCTCTGGTTCCAGACCCTGAGCAGTCTGACGGCAGTGGCCACCGTTTGGGGAAGAAGA
 AGAAGGGAGGCTTATATAGTCAGGAACAGCGCGCCAAAGCTGTCTAGCTGACTGGTGAGCGGGAAGAT
 CAGCTTCTATATACCACCAGCCACTCACACTCTGCCACCCATCTCAGTGCTGAGATCGTTAAGGAA
 ATGACCGAGGTCTTTGACATCGAGGATACTGAGCAGGCCAATGAAGACCCATGGAATGCTTGGCCACCG
 GAGAATCTGATGAGCTGTTGGGTGACACGGACCCACTTGAATGGAGATCAAGTTGCTCCATTCTCCGAT
 GACGAAAAATAGCAGATGCCATTGAAAAATAAAACCACCGTGTATAAGATTGGAGATCTCACTGGGTATTGC
 ACCAATCCGAACCGTCATCAGATGGGGTGGGCTAAACGCAATGTGGACCACCGCCCTAAGAGCAACAGTA
 TGGTGGATGTCTGCTCAGTGGACCAGCGCTCAGTGTGCAGAGGATCATGGAGACGGACCCCTGCAACA
 GGGCCAGGCTCTGGCATCTGCCCTGAAAAATAAGAAGAAGATGCAGAAACGTGCAGATAAAATCGCCAGC
 AAGCTGTCTGATCCATGATGTCTGCTCTCGACCTCTCTGGCAATGCTGATGATGGTGTGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG203981 representing NM_019067
 Red=Cloning site Green=Tags(s)

MMKL RHKNKPGEGSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANREAELKKKWEEMREK
 QQAAREQERQKRRTIESYCDVLRQEEFEHKEEVLQELNMFQLDDEATRKYKFRKVVVEYSVILE
 VLDARDPLGCRCFQMEEA VLRAGNKKLVLVNLKIDLVPKEVVEKWL DYLRLNELPTVAFKASTQHVKNL
 NRCSVPVDQASELLKSKACFGAENLMRVLGNYCRLGEVTRHIRVGVVGLPNVGKSSLINSLKRSRACSV
 GAVPGITKFMQEVYLDKFI RLLDAPGIVPGNSEVGTILRNCVHVQKLADPVTVPVETILQRCNLEEISNY
 YGVSGFQTEHFLTAVAHRLGKKKGGLYSQEQAAKAVLADWVSGKISFYIPPPATHLPTHL SAEIVKE
 MTEVFDIEDTEQANEDTMECLATGESDELLGDTDPLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGYC
 TNPNRHQMGWAKRNVDRPKSNSMVDVCSVDRRSVLQRIMETDPLQGGQALASALKNKKKMQKRADKIAS
 KLSDSMMSALDLSGNADGVD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_019067.6
RefSeq Size:	6826 bp
RefSeq ORF:	1749 bp
Locus ID:	54552
UniProt ID:	Q9NVN8
Cytogenetics:	Xp11.22
Domains:	MMR_HSR1
Protein Families:	Protease
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]