

Product datasheet for **RG230312**

GNL3L (NM_001184819) Human Tagged ORF Clone

Product data:

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

>RG230312 representing NM_001184819
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAACTTAGACACAAAAATAAAAAGCCAGGTGAAGTTCCAAGGGCCACAAGAAGATAAGTTGGC
 CCTACCCTCAGCCTGCAAAGCAAAATGGGAAGAAAGCAACCTCCAAGTGCCTCTGCACCTCATTTTGT
 TCACCCCAATGATCATGCCAATCGAGAGGCTGAATTAAGAAGAAGTGGTTGAGGAGATGAGGGAGAAG
 CAGCAAGCCGCCGGGAGCAAGAAAGACAAAAACGCAGGACCATTGAGAGCTACTGTCAGGATGTCTAA
 GACGCCAGGAGGAGTTTGAAGCAAAAGGAGGTTTTCAGGAATTAATATGTTTCTCAGCTGGATGA
 CGAGGCCACGAGGAAGGCTTATTACAAGGAGTTCCGTAAGGTGGTGAATACTCTGATGTGATTCTGGAA
 GTCCTGGATGCCAGAGACCCATTAGGCTGCCGCTGCTTCAAATGGAGGAGGCTGCTCTGCAGCACAAG
 GCAACAAGAAGCTGGTCTGGTCTTGAACAAGATTGACCTGGTCCCAAGGAGGTTGGGAGAAATGGCT
 GGATTACCTTCGGAATGAGTTGCCAACCTGGCTTTCAAGGCCAGTACCCAGCATCAGGTCAAAAACCTG
 AATCGTTGCAGTGTGCCAGTAGATCAGGCTCTGAGTCACTGCTGAAAAGCAAAGCTGCTTTGGAGCTG
 AAAACCTCATGAGGGTTCTGGGGAATTTGCCGCTTGGTGAAGTGCACCCACATTCGTGTGGGTGT
 TGTGGGTCTTCCAATGTTGGGAAGAGCAGCCTGATCAATAGCCTGAAGCGCAGCCGCGCATGCAGCGTG
 GGAGCTGTTCTGGAAATACCAATTCATGCAGGAGGTCTACCTGGACAAGTTTACCCGGCTCTGGATG
 CTCCAGGCATTGTCCAGGGCCAACTCAGAGGTGGGCACCATCTGCGTAACTGCGTCCACGTGCAGAA
 GCTGGCAGACCTGTGACCCAGTGGAGACCATCTGCAGCGTGCAACCTGGAGGAGATTTCCAATAT
 TATGGCGTCTCTGGTTCCAGACCACTGAGCACTTTCTGACGGCAGTGGCCACCGTTGGGGAAGAAGA
 AGAAGGGAGGCTTATATAGTCAGGAACAGCGCGCCAAAGCTGTCTAGCTGACTGGTGAGCGGGAAGAT
 CAGCTTCTATATACCACCACGACCACTCACACTCTGCCACCCATCTCAGTGCTGAGATCGTTAAGGAA
 ATGACCGAGGTCTTTGACATCGAGGATACTGAGCAGGCCAATGAAGACCCATGGAATGCTTGGCCACCG
 GAGAATCTGATGAGCTGTTGGGTGACACGGACCCACTTGAATGGAGATCAAGTTGCTCCATTCTCCGAT
 GACGAAAAATAGCAGATGCCATTGAAAAATAAAACCACCGTGTATAAGATTGGAGATCTCACTGGGTATTGC
 ACCAATCCGAACCGTCATCAGATGGGGTGGGCTAAACGCAATGTGGACCACCGCCCTAAGAGCAACAGTA
 TGGTGGATGTCTGCTCAGTGGACCGCCGCTCAGTGTGCAGAGGATCATGGAGACGGACCCCTGCAACA
 GGGCCAGGCTCTGGCATCTGCCCTGAAAAATAAGAAGAAGATGCAGAAACGTGCAGATAAATCGCCAGC
 AAGCTGTCTGATCCATGATGTCTGCTCTCGACCTCTCTGGCAATGCTGATGATGGTGTGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230312 representing NM_001184819
 Red=Cloning site Green=Tags(s)

MMKL RHKNKPGEGSKGHKKISWPYPQPAKQNGKKATSKVPSAPHFVHPNDHANREAELKKKWVEEMREK
 QQAAREQERQKRRTIESYQDVLRRQEFEHKEEVLQELNMFQLDDEATRKYKFRKVVVEYSVILE
 VLDARDPLGCRCFQMEEAVLRAQGNKLVVLNKLIDLPKVEVVEKWL DYLRLNELPTVAFKASTQHVKNL
 NRCSVPVDQASELLKSKACFGAENLMRVLGNVCRLGEVTRHIRVGVVGLPNVGKSSLINSLKRSRACSV
 GAVPGITKFMQEVYLDKFI RLLDAPGIVPGNSEVGTILRNCVHVQKLADPVTVPVETILQRNLEEISNY
 YGVSGFQTEHFLTAVAHRLGKKKGGGLYSQEQAQAVLADWVSGKISFYIPPPATHLPTHL SAEIVKE
 MTEVFDIEDTEQANEDTMECLATGESDELLGDTDPLEMEIKLLHSPMTKIADAIENKTTVYKIGDLTGYC
 TNPNRHQMGWAKRNVDRPKSNSMVDVCSVDRRSVLQRIMETDPLQGGQALASALKNKKKMQKRADKIAS
 KLSDSMMSALDLSGNADDGVGD

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_001184819.2
RefSeq Size:	8690 bp
RefSeq ORF:	1749 bp
Locus ID:	54552
UniProt ID:	Q9NVN8
Cytogenetics:	Xp11.22
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]