

Product datasheet for **SC102285**

GNL3L (AK022325) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNL3L (AK022325) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNL3L
Synonyms:	GNL3B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK022325, the custom clone sequence may differ by one or more nucleotides

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CTGGACCTGGGAGGCAGAGGTTGCAGTGAGCCAGACGGCACCATTGCACCTAGCCTGGGCAACAACAC
GAAACTCCGTCACAAAAGAAAAAATCCCAAGGGGCTGCAGCTGCCAAACCAATACCCCTC
TATTTAACCCCTACTCTGTTTTACAAGAGAAATAAAGAAGTATCAGCAGAGCTCAGGTGCTAACACCTG
TTGAGGGCTGACCTACAAAACCTGCCTACAAAACCTCTTAGACAGGTGAATATGCCACTAGAAGTTAG
GTTGCTGGTAGACCTGGGGTCCCTGCGGGAGGGTGATGGTTTCTTACCACCCACAGGAGATTTCAGT
GGCAAGGCATGCCTGCAGTGGGCTTTGGGCCATGCATCTTCCAAGTCCATAGGTCTTACCTGGGTGGCA
GTGAGAAAAAGTAGAAAGTAATGAGCCTCCTGTGTCTCTGGAAGTTCTAGGGATAGGGTAGAGGGAAGA
AGAGAACAACAAGCCTGGCTTGTGCTGAAGTGTGGTAGGCACTACCCTGTTTGCCTGAAGAGAAAAACA
AGCACCTGTTAGTAGGGAGGCTTAGGGGAAGCCCGCTTGGGGGCATTTCTGGGCAGATTGTGAATT
GGAGGAATCTCTTAACTGAAGTACTCTGGCTGGACCCCTGCCCTGTGTGACCATGTCTCCTATTGCACC
AGCATTTGAATCCATGGCTCAAGAGGGTTCTGGTACCATTTATTCACAGACTGTATCCTCGAGAGAGCT
GCTATATATGGGAGTGTACCAGCAACTCTTTTCCAGTGTCTGTAAAGTACCTCATTAAAGTATAATTA
GCTGTCTCCTCTGGGAGATCCTACCCATCAGACAAGGGCAGTGAGCCCAAGCAGTGCCAGAGGCCCTCA
GAAAGGGATTAGGGTAGATGATTGCAACTGAAACACAATCTTCTTTTCCAGGGTATTTTGGGGGTT
TTGCCCAAAATATACCTGGGCATAGCATTACTGCAGTCTTGGATGTCTACCCAAACTCCACACCAT
CCTTCGACCCACAGCTGCACCTTATTTATTTATTTTGTCTGTTGCCAGGCTGGAGTGAATGGCGTG
ATCTCGGCTCGTGCAACCTCTGCCTCCCGGTTCCGGTGATCCTCCTGCCTTAGCCTCCCGGTTAGCTG
GGATTGCAGGCACCTGCCACCACGCCTGGCTGGTTTTTGTGTTTTTGGTGGAGACGATGTTTCCCGGTG
TGACCAGGCTGGTCTCGAACTTTGACCTCAGGTGGTCCGCTCGCTTCCGCTCCCAAGTGTGGGATT
ATAGGCGTGAGCCACTGTGCCAGCCTCACAGCTGCATCTTAACTTGCCTTTGCCTCTGCCTCTCAAGC
TGGTACCTCCTAATTTACATCCTAAGAGTGGAACCATGTGACAAGGACTGGAGTGCCATTGGCTGTGGAC
TGTTTCAGGCAGGGAAGTACAAGACCACTTGTATTTCAGGGGCAACCAAGGAGAGAATTACGACTTGT
TGAGTACAAAAGTGCACCAAGCCCTGGAGACCCATTACCACCGTTAACCTCAATACAGCTCTGCTAGTAA
GGGATTCGCTCCTCCAAATGAAAAAAAAGTAACTCAGAATGTTGGCCGAGCGTGGTGGCTCACACCTG
TAATCCCAGTTATGCAGGAGGCTGAGGCAGGAGAATCGCTTGATCTCAGGAGGCGGAGGTTGCAGTGAGT
CGACATCAGCCACTGCACTCCAGCCTGGGGACAGAGTGAGACTTCGTCTCGG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK022325 unedited

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TCAGATTATGTAATACGACTTACTATAGGGCGGCCGAAATTCGCACGAGGCCTCGTGC
CGAATTCGGCAGGAGGAGAAAAACAAGCACCTGTTAGTAGGGAGGCTTAGGGGGAAGC
CCCGCTTTGGGGGCATTTCTGGGCAGATTGTGAATTGGAGGAATCTCTTAACTGAGGTA
CTCTGGCTGGACCCTGCCCTTGTGTGACCATGTCTCCTATTGCACCAGCATTTGAATTC
ATGGCTCAAGAGGGTTCTGGTACCATTTATTCACAGACTGTATCCTCGAGAGAGCTGCTA
TATATGGGAGTGTACCAGCAACTCCTTTTCCAGTGTCTGTAAGTACCTCATTAAAGTA
TAATTAGCTGTCTCCTCTGGGAGATCCTACCCATCAGACAAGGGCAGTGAGCCCAAGCA
GTGCCAGAGGCCCTCAGAAAGGATTAGGGTAGATGATTGCAACTGAAACACAATCTTCT
TTCTTTGCCAGGGTATTTTGGGGTTTTGCCCAAAATATACCTGNGCATAGCATTACT
GCAGTCTTGGATGTCTACCCAAACTTCCACACCATCCTTCGACCCACAGCTGCACCTTT
ATTTATTTATTTTGTCTGTTGCCCAAGCTGGAGTGAATGGCGTGGTCTCGGCTACTG
CAACCTCTGCCTCCCGTTCANGTGATCCTCCTGCCTTAGCCTCCCAAGTGGCTGGGATT
GCNGGCACCTGCCACCAGCCTGGCTGGTTTTTGTGTTTTTAGTGGAGACGGTGTTCCTC
CATGTTGGCCGGGCTGGTCTCGAGCTCTTGACCTCGGGTGATCCGTTCCGTTCCGGCTNC
CGAGTGTGGGATATTAGGCGTGGCCACTGTGCCAGCCTNACAGCTGCATCTTAACTT
ACTTTGCCTCTGCCTCTCAGCTGTACCTNCTAATTACTNCTAGAGTGGACCTGTGACAAG
ACTGNATGCATT
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for AK022325 unedited CATCGTTTATCCCCCATTATCTATTATCGAGTTTTTTTTTTTTTTTTTTTCCGANACGAA GTCTCACTCTGTCCCCAGGCTGGAGTGCAGTGGTGTGATGTCGACTCACTGCAACCTCC GCCTCCTGAGATCAAGTGATTCTCCTGCCTCAGCCTCCTGCATAACTGGGATTACAGGTG TGAGCCACCATGCTCGGCCAACATTCTGATATTACTTTTTTTTTTTCATTTGGGGAGACGA ATCCCTTACTAGCAGAGCTGTATTGAGGGTTAACGGTGGTAATGGGTCTCCAGGGCTTGG TGCAGTTTGTACTCAACAAGTACGTAATTCTCTCCTTTGGTTGCCCTGAATACAAGAGT GGTCTTGTACTTCCCTGCCTGAACAGTCCACAGCCAATGGCACTCCAGTCTTGTACAT GGTCCACTCTTAGGATGTAAATTAGGAGTACCAGCTTGAGAGGCAAAGGCAAAGGTAA GGTAAAGATGCAGCTGTGAGGCTGGGCACAGTGGCCACGCTATAATCCCAGCACTTCG GGAGGCCGAAGCGAGCGGATCACCCGAGGTCAAGAGCTCGAGACCAGCCCGGCCAACATG GCGAAACACCCGTCTCCACTTAAAACACAAAAACCAGCCAGGCGTGGTGGCAGGTGCCCC CAATCCCAGCCACCTGGGAGGTAAAGCAGGAGGATCACCTGAACCCCGAGGCAAAAAGT TGCAATGAACCAAAAACCCCTTTGCCTTCAACTGGGCACCGAGCAAATAAAAAATA AAGGGCTCTTTGGGTCAAAGATGGGGGAAAATTTGGGGGAAAACACCAATAATGCAGA AATGCTTTCCAGAGTATATTTGGGGCCAAACCCCGAAATACCCTGTGAAAAAAAAAA ATATGGTTTATTTGCAACATCTACCCATAACA
Restriction Sites:	NotI-NotI
ACCN:	AK022325
Insert Size:	1400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	AK022325.1
RefSeq Size:	1804 bp
RefSeq ORF:	1804 bp
Locus ID:	54552
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]