

Product datasheet for **MC219230**

Gnl3l (NM_198110) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnl3l (NM_198110) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gnl3l
Synonyms:	BC020354
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219230 representing NM_198110
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAGATTAGACACAAAAACAAAAACCAGGTAAGGTTCCAAAGGCTGTAAGAAGCCTGCAAGGC
 AAAATGGGAAGAAAGTAACCTCCAGACCATCATCTGCTCCCAGATTGTTTCATGGCAATGACCATGCCAG
 TCGCGAGGCCGAATTAAGAAGAAAAGGGTCGAGGAGATGAGGGAGAAGCAGCAAGTTGCCCGGGAGCAA
 GAGAGACAGACACAGGACCATGGAGAGCTATTGTCAGGATGTCCTGAAACGTCAGCAGGAATTTGAAC
 AAAAGGAGGAAGTTTTCAGGAATTAACATGTTTCTCAGTTGGATGATGAGGCCACAAGGAAGGCCTA
 TTACAAGGAATTCGGAAGGTGGTAGAGTACTCTGATGTGATTCTGGAAGTCTAGATGCCAGAGACCCA
 TTGGGCTGCCGCTGTTCCAGATGGAGGAGACTGCTTTCGTGCAGAAGGCAACAAGAAGCTGGTCTTGG
 TCTTAAATAAGATAGATCTCGTCCCAAGGAGATTGTGAAAAGTGGCTGGAATACCTTCTCAATGAACT
 GCCAAGTGTGGCTTTCAAGGCCAGCACCCAGCATCATCAGGTCAAAAACCTTGACTCGTTGTAAGTTCCA
 GTGGACCAGGCCCTGAGTCGCTTTTAAAAGCAGAGCCTGCTTTGGAGCCGAAAATCTCATGAGGGTCC
 TGGGGAACATTGTCGCCTGGGGGAAGTGCCTGGCCACATTTCGTGTGGGTGTTGTAGGCCTTCCCAATGT
 GGGGAAGAGCAGTCTGATCAATAGCCTGAAGCGCAGCCGTGCTTGTAGTGTGGGAGCTGTTCTGGTGTG
 ACAAAATTCATGCAGGAGGTCTACCTAGACAAGTTTATCAGGCTTCTGGATGCACCAGGCATTGTCCAG
 GACCAATTCAGAGGTGGGCACCATCCTGCGTAATTGCATCCATGTGCAGAAGCTGGCAGACCCTGTGAC
 CCCGGTGGAGACCATCCTCAGCGCTGCAACCTGGAGGAGATTTCCAGCTACTATGGTGTATCTGGATTC
 CAGACGACTGAGCACTTCTGACTGCAGTGGCCCATCGCTTGGGAAAGAAGAAGAAGGGAGGTGTATATA
 ATCAGGAACAGGCTGCCAAAGCTGTGCTGGCTGACTGGGTGAGTGGGAAGATCAGCTTCTATACACTACC
 ACCGCCCACTCACACTCTGCCACCCATCTCAGTGTGAGATTGTTAAGGAGATGACTGAGGTCTTTGAT
 ATAGAAGATACTGAGCACGCAATGAAGACACCATGGAATGCTTAGCTGTGGGAGAAATCCGATGAGCTGT
 TGGGTGACATGGACCCACAAGAAATGGAGGTGAGTGGCTCCATTCTCCACTGGTGAAAATAGCAGATGC
 TATTGAAAATAGAAGCACCGTGTATAAGATTGGAAATCTCACTGGGTATTGTACCAAACCAACCCTAAT
 CAGATGGGGTGGCTAAACGCAATGTGGACCACCATGCCCCAAAATAACCGTGTAGTAGAGGTGAGTT
 CTGTGGACCGCCCGGATGTTGCAGAGGATCCTGGAGACAGACCCTCAGCAAGGCCAGGCTCTGGC
 ATCTGCCTTGAAGAATAAGAAAAAATTGCAGAAGCGTTTCAGATAAAATCGCCACTAAGTTGTCTGACTCC
 ATGATGTCCATGCTTGACCTCTCTGGCAACTCCGATGACTGTGCAGGTGACT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_198110

Insert Size: 1734 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:

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_198110.2](#), [NP_932778.1](#)

RefSeq Size: 4877 bp

RefSeq ORF: 1734 bp

Locus ID: 237107

UniProt ID: [Q6PGG6](#)

Cytogenetics: X F3

Gene Summary: Stabilizes TERF1 telomeric association by preventing TERF1 recruitment by PML. Stabilizes TERF1 protein by preventing its ubiquitination and hence proteasomal degradation. Does so by interfering with TERF1-binding to FBXO4 E3 ubiquitin-protein ligase. Required for cell proliferation. By stabilizing TRF1 protein during mitosis, promotes metaphase-to-anaphase transition. Stabilizes MDM2 protein by preventing its ubiquitination, and hence proteasomal degradation. By acting on MDM2, may affect TP53 activity. Required for normal processing of ribosomal pre-rRNA. Binds GTP (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents the longer transcript. Both variants 1 and 2 encode the same protein.