

Product datasheet for **MC218033**

Gnl3l (BC057033) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gnl3l (BC057033) 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: >BC057033
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAAGATTAGACACAAAAACAAAAACCAGGTAAGGTTCCAAAGGCTGTAAGAAGCCTGCAAGGC
 AAAATGGGAAGAAAGTAACCTCCAGACCATCATCTGCTCCCAGATTGTTTCATGGCAATGACCATGCCAG
 TCGCGAGGCCGAATTAAGAAGAAAAGGGTCGAGGAGATGAGGGAGAAGCAGCAAGTTGCCCGGGAGCAA
 GAGAGACAGACACAGGACCATGGAGAGCTATTGTCAGGATGTCCTGAAACGTCAGCAGGAATTTGAAC
 AAAAGGAGGAAGTTTTCAGGAATTAACATGTTTCTCAGTTGGATGATGAGGCCACAAGGAAGGCCTA
 TTACAAGGAATTCGGAAGGTGGTAGAGTACTCTGATGTGATTCTGGAAGTCTAGATGCCAGAGACCCA
 TTGGGCTGCCGCTGTTCCAGATGGAGGAGACTGCTTTCGTGCAGAAGGCAACAAGAAGCTGGTCTTGG
 TCTTAAATAAGATAGATCTCGTCCCAAGGAGATTGTGAAAAGTGGCTGGAATACCTTCTCAATGAACT
 GCCAAGTGTGGCTTTCAAGGCCAGCACCCAGCATCATCAGGTCAAAAACCTTGACTCGTTGTAAGTTCCA
 GTGGACCAGGCCCTGAGTCGCTTTTGAAGCAGAGCCTGCTTTGGAGCCGAAAATCTCATGAGGGTCC
 TGGGGAATATTGTCGCCTGGGGGAAGTGCCTGGCCACATTTCGTGTGGGTGTTGTAGGCCTTCCCAATGT
 GGGGAAGAGCAGTCTGATCAATAGCCTGAAGCGCAGCCGTGCTTGTAGTGTGGGAGCTGTTCTGGTGTG
 ACAAAATTCATGCAGGAGGTCTACCTAGACAAGTTTATCAGGCTTCTGGATGCACCAGGCATTGTCCAG
 GACCAATTCAGAGGTGGGCACCATCCTGCGTAATTGCATCCATGTGCAGAAGCTGGCAGACCCTGTGAC
 CCCGGTGGAGACCATCCTCAGCGCTGCAACCTGGAGGAGATTTCCAGCTACTATGGTGTATCTGGATT
 CAGACGACTGAGCACTTTCTGACTGCAGTGGCCATCGCTTGGAAAGAAGAAGAAGGGAGGTGTATATA
 ATCAGGAACAGGCTGCCAAGCTGTGCTGGCTGACTGGGTGAGTGGGAAGATCAGCTTCTATACACTACC
 ACCGCCACTCACACTCTGCCACCCATCTCAGTGTGAGATTGTTAAGGAGATGACTGAGGTCTTTGAT
 ATAGAAGATACTGAGCACGCAATGAAGACCCATGGAATGCTTAGCTGTGGGAGAAATCCGATGAGCTGT
 TGGGTGACATGGACCCACAAGAAATGGAGGTGAGTGGCTCCATTCTCCACTGGTAAAAATAGCAGATGC
 TATTGAAATAGAAGCACCGTGTATAAGATTGGAAATCTCACTGGGTATTGTACCAAACCAACCCTAAT
 CAGATGGGGTGGCCTAACGCAATGTGGACCACCATGCCCCAAAATAACCGTGTAGTAGAGGTGAGTT
 CTGTGGACCGCCCGGATGTTGCAGAGGATCCTGGAGACAGACCCTCAGCAAGGCCAGGCTCTGGC
 ATCTGCCTTGAAGAATAAGAAAAAATTGCAGAAGCGTTTCAGATAAAATCGCCACTAAGTTGTCTGACTCC
 ATGATGTCCATGCTTGACCTCTCTGGCAACTCCGATGACTGTGCAGGTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC057033

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: [BC057033](#), [AAH57033](#)

RefSeq Size: 4842 bp

RefSeq ORF: 1733 bp

Locus ID: 237107

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]