

Product datasheet for **MC206460**

Gnl2 (BC003262) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gnl2
Synonyms:	MGC7863, Ngp-1, HUMAUANTIG
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:	>BC003262 CCAACGTGCTTCACACAGGACGCTTTCCCGGCTGGGAAGTCATGAAGTGGTTTACCTCGCGAGTAGCAGAGCGGTGTCGGTACTGTGTCAGGATGGTGAAGCCCAAGTACAAAGGACGAGCACCATCAACCGCTCGGCGCCAGCACCAACCAGATCGAGTACAGGAGCTGGCGGCCAAAACATGAGGGATCGGGGACAATTTCGGCGCCTGAATATGTACAGGCAAAAGGAGCGCAGGAACAGTCGTGGTAAAGTGATTAAGCCACTGCAGTATCAGTCAACTGTGGCTTCTGGCACAGTGGCCCGAGTGGAGCCGAATATTAATGGTTTGAAATACTCGTGTGATCAAGCAGGCATCATTACAAAAATTTCAAGAGGAAATGGATAAAGTTATGAAGGATCCATACAAAGTTGTCATGAAACAAAGCAAATTACCGATGTCTCTTCTGCACGATCGAATCCAGCCTCATACGCAAAAGTCCACATTCTTGATACTGAAAGCTTTGAAAGTACATTTGGCCCAAAGTCACAGAGAAAGCGGCCAAACTTGTTTGCAAGTGATATGCAATCCCTTCTAGAAAAACGCTGAAATGTCTACTGAGAGCTATGACCAGGGCAAGGACCGTGATTTGGTGATGGAGGACACTGGTGTAAGAAATGAAGCTCAAGAAGAGATATATAAAAAAGGCGAGTCAAAAAAGAATATGGGGAGAAGCTCTACAAGGTGATAGACTCATCAGATGTTGTGCTTCAAGTCCTTGACGCTAGAGATCCGATGGGCACTCGTCCCCCACATCGAAGCTTACTTGAAAAAGGAAAAACCTGGAACATCTCATTTTTGTACTCAATAAGTGTGACCTTGTTCCAAGTGGGCACTAAACGATGGGTGCTGTGCTCTCCCAGGACTACCAACACTGGCTTTCCATGCGAGCCTACCAATCCCTTTGGGAAGGAGCATTATTCAAGCTTCTGCGCAGTTTGGGAAGTTGCACACAGACAAGAAACAAATCAGTGTGGGTTTATTGGCTATCCAATGTAGGCAAGAGCTCTGTGATTAATACATTACGATCCAAGAAAGTTTGAACGTGGCCCCCATTTGCTGGAGAAACAAAGGCTGCGAGTATATTACCTTGATGCGTCGTATATTCCTGATTGACTGCCCTGGTGTGGTTTACCCATCTGAGGACTCAGAGACCGACATTGTGCTCAAAGGAGTGGTTCAAGTTGAGAAAAATTAAGCTCCTCAAGACCACATTGGTGCTGTCTTGAACGAGCAAAGCCAGAGTATATCAGCAAGACGTACAAGATTGAGTCTCTGGGAGAACCGCGAGGACTTTCTTGAGAAGCTAGCTCTCCGCACTGGGAAGTTACTGAAGGGTGGAGAGCCTGACATGCTGACTGTGAGCAAGATGGTTCTCAATGACTGGCAGAGAGGCCGAATCCCTTTCTTTGTCAAGCCGCCAATGCAGAGATACCGACCGATTCCCAGCTTCCACCATCCTCACCATTGGAAGTCCCAAGAGAAACAAACCCAGAACACCCAGAGAAGAGACCACAGAAACAGAAGTTGAAAGGTGAGACTCTATCACTGAAAAAGGAGCCAGAAGGAGACTGTTCTCAGGATAGAAACTCAGAGATGCAACAGATCCTCGCACAGGTCGCCAGAACTTTGGCAAAATCAACGTGGGGCCTCAGTTTTCTGCGGATGACCTGGTGCTGTGGAGATGCAGACTTGGAAGATCTGGAAGCTCTGGGAAGAGGAAGAACAGGAGCAGGAACAGCCAGGGGAGGATGCGAGGAAGAGCGCTCCCCAGACACTCAGGAGGAACCAAGTGGGAAACGACACCAAGGCCGTGCTCAGAGCCCTGGATGAGAAGATTGCCAAGTACCAAGAGGTTTCTAAATAAAGCCAAAGCTAAAAAGTTCTGCGGTCAGAATATCCAAGGACTTAAGTGAAGAGGTTTTTGCAAAATACAAAGAAGAGAAGAAACATCTGCAGAAGTCAGTGATGCAGCACCCACCAAAAAGGCAAGGAAGTGGGATGCACAGATGGAAGAAGAACCTTCAATAAGACTCAGAGGATGCTGACGTGTAAGGAACGAGGAGAGCAGCACGGCAGCAACAATCCAAAAAGTTGGGTGTGCGCTACTACGAGACACAACTGAAAAACAGGAACAGGAACAAAAAGAAGACGAGCGACTCAGAGGGACAGAAACACAGACGCAACAAGTTCAGACAGAAGCAGTAAGTGCAGAAAGCTGTTTATTAAATTATACAAAAA
Restriction Sites:	EcoRI–NotI
ACCN:	BC003262
Insert Size:	2187 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC003262, AAH03262</u>
RefSeq Size:	2332 bp
RefSeq ORF:	2187 bp
Locus ID:	230737
Cytogenetics:	4 D2.2
Gene Summary:	GTPase that associates with pre-60S ribosomal subunits in the nucleolus and is required for their nuclear export and maturation (By similarity). May promote cell proliferation possibly by increasing p53/TP53 protein levels, and consequently those of its downstream product CDKN1A/p21, and decreasing RPL23A protein levels (By similarity).[UniProtKB/Swiss-Prot Function]