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Product datasheet for SC322211

NOLA1 (GAR1) (NM_018983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOLA1 (GAR1) (NM_018983) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOLA1
Synonyms:	NOLA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322211 CCGCTGTTATACGTCACTTCCACGGCTCAGCGTCAGGGAGGAGAGAGAATGTCTTTTCGA GGCGGAGGTCGTGGAGGCTTTAATCGAGGTGGTGGAGGTGGCGGCTTCAACCGAGGCGGC AGCAGCAACCACTTCCGAGGTGGAGGCGGCGGTGGAGGCGGCGGCAATTTCAGAGGCGGC GGCAGGGGAGGATTTGGACGAGGGGGTGGCCGCGGAGGCTTTAACAAAGGCCAAGACCAA GGACCTCCAGAACGTGTAGTCTTATTAGGAGAGTTCCTGCATCCCTGTGAAGATGACATA GTTTGTAAATGTACCACAGATGAAAATAAGGTGCCTTATTTCAATGCTCCTGTTTACTTA GAAAACAAAGAACAAATTGGAAAAGTGGATGAAATATTTGGACAACTCAGAGATTTTTAT TTTTCAGTTAAGTTGTCAGAAAACATGAAGGCTTCATCCTTTAAAAAACTACAGAAGTTT TATATAGACCCATATAAGCTGCTGCCACTGCAGAGGTTTTTACCTCGACCTCCAGGTGAG AAAGGACCTCCAAGAGGTGGTGGCAGGGGAGGCCGAGGAGGAGGAAGAGGAGGAGGTGGC AGAGGTGGTGGCAGAGGTGGTGGTTTTAGAGGTGGAAGAGGAGGTGGAGGTGGGGGCTTC AGAGGAGGAAGAGGTGGTGGTTTCAGAGGGAGAGGACATTAAGTGAAACAGTTGACAGAC ATCACCAGTTGACTTCTGCATTAACCTGCATGATCTGTTTCTACTATGGATTGGAAACTT GTTTCTTGAACAAGTCTTGAAGATCTTGGTCATTTTATGACAATGGATCTAAAATGTCAG CATCATGCAAAGTGCAACGGAATAGTGAATTTTGCTCTAAAAGAGCATGAACAAGTCTTT CTAATGTTTTGTACAGTGCCTGGCACTCTGTGGGTGCTCAATAAATGGATAGGAGTTTTC ATTTGAAGCATATTTGAATTTTTAAAATAAAGTGTTTTATTCCCTTAAAAAAAAAAAAAA A
Restriction Sites:	Please inquire
ACCN:	NM_018983

View online »

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018983.3, NP_061856.1
RefSeq Size:	1280 bp
RefSeq ORF:	654 bp
Locus ID:	54433
UniProt ID:	Q9NY12
Cytogenetics:	4q25
Domains:	Gar1
Protein Families:	Stem cell - Pluripotency
Gene Summary:	This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA2 and NOLA3 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These four H/ACA snoRNP proteins are also components of the telomerase complex. The encoded protein of this gene contains two glycine- and arginine-rich domains and is related to Saccharomyces cerevisiae Gar1p. Two splice variants have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) contains a region of additional sequence in the 5' UTR when compared to variant 2. The encoded protein is identical for both transcript variants.