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Product datasheet for SC308808

NOL6 (NM_022917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOL6 (NM_022917) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOL6
Synonyms:	bA311H10.1; NRAP; UTP22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>SC308808 representing NM_022917.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCGGCGCCAGCTGGAGAGCAGCTTCGCGGAGCGACTGGAGAGCCAGAGGTGATGGAACCAGCC
CTGGAAGGCACAGGCAAAGAGGGGAAGAAAGCATCCTCCAGGAAGCGTACATTGGCTGAACCTCCAGCG
AAGGGCCTCCTGCAGCCAGTGAAGCTCAGCAGGGCAGAACTGTACAAGGAGCCTACCAATGAGGAGCTT
AATCGCCTTCGGGAGACTGAGATCTTGTTCCACTCCAGCTTGCTTCGTTTACAGGTAGAGGAGCTACTA
AAGGAAGTAAGGCTGTCAGAGAAGAAGAAGGATCGGATTGATGCCTTCCTACGGGAGGTCAACCAGCGG
GTTGTGAGGGTGCCCTCAGTCCCTGAGACAGAGCTCACTGACCAGGCATGGCTCCCAGCTGGGGTTCGA
GTGCCCCTCCACCAAGTGCCCTATGCCGTGAAGGGCTGTTTCCGCTTCCTGCCCCCAGCCCAGGTTACT
GTTGTGGGCAGCTACCTTCTGGGCACCTGCATCCGACCAGACATCAATGTGGATGTGGCACTGACCATG
CCCAGGGAAATCCTACAGGACAAGGACGGGCTGAACCAGCGCTACTTCCGCAAGCGTGCCCTCTACCTG
GCCCACTTGGCTCACCACCTGGCCCAGGACCCCCTCTTTGGCAGTGTTTGCTTCTCCTACACAAATGGC
TGCCACCTGAAACCCTCACTGTTGCTGCGGCCGCGTGGAAAGGATGAGCGCCTGGTCACTGTACGTCTG
CATCCGTGCCCTCCACCTGACTTCTTCCGCCCGTGCCGCTTGCTGCCAACCAAGAACAATGTGCGCTCT
GCCTGGTACCGAGGGCAGAGTCCTGCAGGGGATGGTAGCCCAGAGCCTCCTACCCCCCGCTATAACACA
TGGGTCCTGCAAGATACAGTTCTCGAGTCCCATTTGCAGCTGCTGTCAACCATTCTGAGTTCAGCCCAG
GGCCTGAAGGATGGCGTGGCACTTCTGAAGGTCTGGCTGCGGCAGCGGGAGCTGGACAAGGGCCAGGGT
GGGTTTACTGGGTTCCTTGTCTCCATGCTGGTTGTCTTCCTTGTGTCTACACGCAAGATCCATACCACC
ATGAGTGGCTACCAGGTCCTGAGAAGTGTCTTGCAGTTTCTGGCCACTACAGACCTGACAGTCAACGGG
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GCAGCGTGCCACCGGCTGAAGCTCTGGCCAGAGCTGCAGGACAATGGTGGGGACTATGTCTCAGCTGCT

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TTGGGCCCCCTGACCACCCTCCTGGAGCAGGGCCTGGGGGCTCGGCTGAACCTGCTGGCTCACTCTCGA
CCCCCAGTCCCAGAGTGGGACATCAGCCAAGATCCACCAAAGCACAAAGACTCTGGGACCCTGACCCTG
GGACTCCTTCTCCGGCCTGAGGGACTGACCAGCGTCCTTGAGCTGGGTCCAGAGGCAGACCAGCCTGAG
GCTGCTAAATTCCGCCAGTTCTGGGGATCCCGCTCGGAGCTTCGGCGTTTCCAGGACGGAGCCATTCGG
GAAGCTGTGGTCTGGGAGGCAGCCTCTATGTCCCAGAAGCGCCTTATTCCCCACCAGGTGGTCACCCAC
CTCTTGGCACTCCATGCTGACATCCCAGAAACCTGTGTCCACTATGTGGGGGGCCCCCTGGATGCACTT
ATCCAAGGCCTGAAAGAGACCTCCAGCACAGGTGAGGAGGCCCTGGTAGCGGCGGTACGTTGCTACGAC
GACCTCAGTCGCCTACTGTGGGGGCTAGAGGGTCTCCCACTGACCGTGTCTGCTGTTCAGGGAGCTCAC
CCAGTGCTGCGCTACACAGAGGTGTTCCCACCAACTCCAGTCCGTCCAGCCTTCTCCTTCTATGAGACT
CTGCGGGAGCGGTCCTCACTGCTGCCCCGGCTCGATAAGCCCTGTCCGGCCTACGTGGAGCCCATGACC
GTGGTTTGTCACCTGGAGGGCAGTGGCCAGTGGCCACAGGACGCTGAGGCCGTGCAGCGGGTCCGAGCT
GCCTTCCAGCTGCGCCTGGCAGAGCTGTTGACACAACAGCATGGTCTGCAGTGCCGTGCCACTGCCACG
CACACGGATGTCCTTAAGGATGGATTTGTGTTTCGGATTCGCGTGGCCTATCAGCGGGAGCCCCAGATC
CTGAAGGAGGTGCAGAGCCCAGAGGGGATGATCTCGCTGAGGGACACAGCTGCCTCCCTCCGCCTTGAG
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TCTGGTGTGGCACGGCTGGCCAAGCGGTGGGTGCGTGCCCAGCTTCTTGGTGAGGGTTTCGCTGATGAG
AGCCTGGATCTGGTGGCCGCTGCCCTTTTCCTGCACCCTGAGCCCTTCACCCCTCCGAGTTCCCCCCAG
GTTGGCTTCCTTCGATTCCTTTTCTTGGTATCAACGTTTGATTGGAAGAACAACCCCCTCTTTGTCAAC
CTCAATAATGAGCTCACTGTGGAGGAGCAGGTGGAGATCCGCAGTGGCTTCCTGGCAGCTCGGGCACAG
CTCCCCGTCATGGTCATTGTTACCCCCCAAGACCGCAAAAACTCTGTGTGGACACAGGATGGACCCTCA
GCCCAGATCCTGCAGCAGCTTGTGGTCCTGGCAGCTGAAGCCCTGCCCATGTTAGAGAAGCAGCTCATG
GATCCCCGGGGACCTGGGGACATCAGGACAGTGTTCCGGCCGCCCTTGGACATTTACGACGTGCTGATT
CGCCTGTCTCCTCGCCATATCCCGCGGCACCGCCAGGCTGTGGACTCGCCAGCTGCCTCCTTCTGCCGG
GGCCTGCTCAGCCAGCCGGGGCCCTCATCCCTGATGCCCGTGCTGGGCTATGATCCTCCTCAGCTCTAT
CTGACGCAGCTCAGGGAGGCCTTTGGGGATCTGGCCCTTTTCTTCTATGACCAGCATGGTGGAGAGGTG
ATTGGTGTCCTCTGGAAGCCCACCAGCTTCCAGCCGCAGCCCTTCAAGGCCTCCAGCACAAAGGGGCGC
ATGGTGATGTCTCGAGGTGGGGAGCTAGTAATGGTGCCCAATGTTGAAGCAATCCTGGAGGACTTTGCT
GTGCTGGGTGAAGGCCTGGTGCAGACTGTGGAGGCCCGAAGTGAGAGGTGGACTGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_022917
Insert Size:	3441 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).
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_022917.4
RefSeq Size:	4895 bp
RefSeq ORF:	3441 bp
Locus ID:	65083
UniProt ID:	Q9H6R4
Cytogenetics:	9p13.3
Protein Families:	Druggable Genome
MW:	127.6 kDa
Gene Summary:	The nucleolus is a dense subnuclear membraneless organelle that assembles around clusters of rRNA genes and functions in ribosome biogenesis. This gene encodes a nucleolar RNA-associated protein that is highly conserved between species. RNase treatment of permeabilized cells indicates that the nucleolar localization is RNA dependent. Further studies suggest that the protein is associated with ribosome biogenesis through an interaction with pre-rRNA primary transcripts. Alternative splicing has been observed at this locus and two splice variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (alpha) encodes the longest isoform (alpha), also known as the long isoform.