

Product datasheet for **SC114402**

NOL7 (NM_016167) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOL7 (NM_016167) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOL7
Synonyms:	C6orf90; dJ223E5.2; PQBP3; RARG-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114402 sequence for NM_016167 edited (data generated by NextGen Sequencing) ATGGTGCAGCTCCGACCGCGAGCGTCTCGCGCCCCGGCGTCGGCGGAGGCGATGGTGGAC GAGGGCCAGCTGGCCTCGGAGGAGGAGGAGGCGGAGCACGGGCTGTTGCTCGGGCAGCCC AGCAGCGCGCGCGCCGCGAGCCCTGGAGGAAGACGAGGAAGGGGACGATGAGTTTGAC GATGAGGCCCCGGAGGAGCTGACTTTCGCCAGCGCCAGGCGGAAGCGAGAGAAGAGGAG CGGCGAGTGCGGGAGACCGTGCGCAGGGATAAACGCTCCTGAAGGAGAAGAGGAAGCGA CGCGAGGAGCTGTTTCATCGAACAGAAGAAAAGAAAACCTTCCAGACACTATTTTGGAG AAGTTAACACAGCTTCACAGACTAACATCAAGAAATCGCCAGGAAAGGTGAAAGAAGTT AATTTGCAAAAGAAAAATGAAGACTGTGAAAAAGGAAATGACTCCAAGAAAGTTAAAGTA CAAAAAGTACAGTCTGTGAGCCAGAATAAAAGCTACTTGCCGTAAGGCTAAAAGACCAA GATCTGAGAGATTCAAGGCAACAAGCAGCACAAGCCTTCATACATAATTCATTATATGGG CCAGGAACCAACAGGACTACTGTAAATAAGTTCCTGTCTCTTGCCAACAAGAGGTTACCA GTGAAAAGAGCTGCTGTCCAGTTTTTGAATAATGCTTGGGGAATCCAAAAAACAATAAT GCCAAGAGGTTTAAAGACGGTGGATGGTCAGAAAGATGAAAACCTAAGAAGTAA

Clone variation with respect to NM_016167.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_016167 unedited <pre> GTTTCAGGAATATTTGTCAACACGCACTCCACTATGAGGGNCTGGCCGCGCAATTCGGCAC GAGGGGCCATGGTGCAGCTCCGACCGCGAGCGTCTCGCGCCCGGCGTCGGCGGAGGCGA TGGTGGACGAGGGCCAGCTGGCCTCGGAGGAGGAGGAGGCGGAGCACGGGCTGTTGCTCG GGCAGCCAGCAGCGCGCGGCCGCCGAGCCCTGGAGGAAGACGAGGAAGGGGACGATG AGTTTGACGATGAGGCCCGGAGGAGCTGACTTTCGCCAGCGCCAGGCGGAAGCGAGAG AAGAGGAGCGGCGAGTGCGGGAGACCGTGCGCAGGGATAAAACGCTCCTGAAGGAGAAGA GGAAGCGACGCGAGGAGCTGTTTCATCGAACAGAAAGAAAAGAACTCCTTCCAGACACTA TTTTGGAGAAGTTAACCACAGCTTCACAGACTAACATCAAGAAATCGCCAGGAAAGGTGA AAGAAGTTAATTTGCAAAAGAAAATGAAGACTGTGAAAAGGAAATGACTCCAAGAAAG TTAAAGTACAAAAAGTACAGTCTGTGAGCCAGAATAAAAGCTACTTGGCCGTAAGGCTAA AAGACCAAGATCTGAGAGATTCAAGGCAACAAGCAGCACAAGCCTTCATACATAATTCAT TATATGGGCCAGGAACCAACAGGACTACTGTAAATAAGTTCCTGTCTCTTGCCAACAAGA GGTTACCAAGTACAAGAGCTGCTGTCCAGTTATTGCATAATGCTTGGNGAATCCACCAAA AACACAATGCCTAGAGGTTTAAAGACGTTGCATGGTCAGACAGATGAAAAGTAGCAGT AAATCAATGCTAAAGGACGCACCTGTACTTNGTATGTATAGAATTTATCTATAAATCATT CATAGATCATTTTAAGGACCATTATAACATCATAGACCTATTGGAGGAAGTGCTCACCAC ATTTCATNTTCTG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016167
Insert Size:	1550 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:	<u>NM_016167.3</u> , <u>NP_057251.2</u>
RefSeq Size:	896 bp
RefSeq ORF:	774 bp
Locus ID:	51406
UniProt ID:	<u>Q9UMY1</u>
Cytogenetics:	6p23

Gene Summary:

The protein encoded by this gene localizes to the nucleolus, where it maintains nucleolar structure and cell growth rates. The encoded protein also functions as a tumor suppressor and regulator of angiogenesis. The RB tumor suppressor gene recruits transcription factors to this gene and positively regulates its expression. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.