

Product datasheet for **SC321341**

Nucleostemin (GNL3) (NM_014366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleostemin (GNL3) (NM_014366) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nucleostemin
Synonyms:	C77032; E2IG3; NNP47; NS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014366.4
 GTGCTTCCTTCTACAGCCAATATGAAAAGGCCTAAGTTAAAGAAAGCAAGTAAACGCATG
 ACCTGCCATAAGCGGTATAAAATCCAAAAAAGGTTTCGAGAACATCATCGAAAATTAAGA
 AAGGAGGCTAAAAAGCAGGCTCACAAAGAGCCTAGGAAAGACCCAGGAGTTCCAAACAGT
 GCTCCCTTTAAGGAGGCTCTTCTTAGGGAAGCTGAGCTAAGGAAACAGAGGCTTGAAGAA
 CTAACCTCTGATATTAAGCCATCAAATGTGGAACCTATGGAAAAGGAGTTTGGGCTTTGC
 AAAACTGAGAACAAGCCAAGTCGGGCAACAGAATTCAAAAGAAGCTGTACTGCCAAGAA
 CTTAAAAAGGTGATTGAAGCCTCCGATGTTGTCCTAGAGGTGTTGGATGCCAGAGATCCT
 CTTGGTTGCAGATGTCCTCAGGTAGAAGAGGCCATTGTCCAGAGTGGACAGAAAAAGCTG
 GTACTTATATTAATAAATCAGATCTGGTACCAAAGGAGAATTTGGAGAGCTGGCTAAAT
 TATTTGAAGAAAGAATTGCCAACAGTGGTGTTCAGAGCCTCAACAAAACCAAAGGATAAA
 GGAAGATAACCAAGCGTGTGAAGGCAAGAAGAATGCTGCTCCATTGAGAGTGAAGTC
 TGCTTTGGGAAAGAGGGCTTTGGAACCTTCTGGAGGTTTTTCAGGAACTTGCAGCAAA
 GCCATTCGGGTTGGAGTAATTGGTTTTCCCAAATGTGGGAAAAGCAGCATTATCAATAGC
 TTAACAACAAGAACAGATGTGTAATGTTGGTGTATCCATGGGGCTTACAAGGAGCATGCAA
 GTTGTCCCCTTGACAAAACAGATCACAATCATAGATAGTCCGAGCTTCATCGTATCTCCA
 CTTAATTCCTCTCTGCGCTTGCTCTGCGAAGTCCAGCAAGTATTGAAGTAGTAAACCG
 ATGGAGGCTGCCAGTGCCATCCTTTCCAGGCTGATGCTCGACAGGTAGTACTGAAATAT
 ACTGTCCCAGGCTACAGGAATCTCTGGAATTTTTACTATGCTTGCTCAGAGAAGAGGT
 ATGCACAAAAAGGTGGAATCCCAAATGTTGAAGGTGCTGCCAACTGCTGTGGTCTGAG
 TGGACAGGTGCCTCATTAGCTTACTATTGCCATCCCCCTACATCTGGACTCCTCCTCCA
 TATTTAATGAGAGTATTGTGGTAGACATGAAAAGCGGCTTCAATCTGGAAGAAGTGGAA
 AAGAACAATGCACAGAGCATAAGAGCCATCAAGGGCCCTATTTGGCCAATAGCATCCTT
 TTCAGTCTTCCGCTCTGACAAATGGAATAATAGAAGAAAAGGACATACATGAAGAATTG
 CAAAAACGGAAAGAAAGGAAAGCAGGAGGAGAGGGAGGATGACAAAGACAGTGACCAGGAA
 ACTGTTGATGAAGAAGTTGATGAAAACAGCTCAGGCATGTTTGCTGCAGAAGAGACAGGG
 GAGGCACTGTCTGAGGAGACTACAGCAGGTGAACAGTCTACAAGGTCTTTTATCTGGAT
 AAAATCATTGAAGAGGATGATGCTTATGACTTCAGTACAGATTATGTGTAACAGAACAAT
 GGCTTTTTATGATTTTTTTTTTTAACATTTTAAGCAGACTGCTAACTGTTCTCTGTATA
 AGTTATGGTATGCATGAGCTGTGTAATTTTGTGAATATGTATTATTTAAACAGGCA
 ACTTGGAAATCCCTAAATTCTGTAAAAAGACAATTCATCTCATTGTGAGTGAAGTAGTTA
 TCTGGAATAAAAAAGAAGATACCTATTGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014366

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_014366.4](#), [NP_055181.3](#)

RefSeq Size: 2048 bp

RefSeq ORF: 1650 bp

Locus ID: 26354

UniProt ID: [Q9BVP2](#)

Cytogenetics: 3p21.1

Domains: MMR_HSR1

Protein Families: ES Cell Differentiation/IPS, Stem cell - Pluripotency

Gene Summary: The protein encoded by this gene may interact with p53 and may be involved in tumorigenesis. The encoded protein also appears to be important for stem cell proliferation. This protein is found in both the nucleus and nucleolus. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
Transcript Variant: This variant (1) encodes the longer isoform (1).