

Product datasheet for **SC313721**

NUFIP1 (NM_012345) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUFIP1 (NM_012345) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUFIP1
Synonyms:	bA540M5.1; NUFIP; Rsa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313721 representing NM_012345.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTGAGCCGACTAGTGATTTTCGAGACTCCTATCGGGTGGCATGCGTCTCCGAGCTGACTCCCACG
TTAGGGCCCTGAGCGACACTGCCCGCCGCGGACAGCTGGATGTTCTGGGCAATGCTGCCGCCACCG
CCACCACCACTTACGTCTCGCTTCCCGCAGCCGGGTCAAAGCCTTCTCTGAGTCGCAGCCCCCATG
GAGGCCAGTCTCTCCCGGGGCTCCGCCCCCTTCGACGCCAGATTCTTCCCGGGGCGCAACCCCCC
TTCGACGCCAGTCTCCCTTGATTCTCAGCCTCAACCCAGCGGCCAGCCTTGAATTTCCATGCTTCC
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AAAAATTTCTATTATCCACGAAAGTATGATGCAAAATTCACAGACTTCAGCTTACCTCCCAGTAGAAAA
CAGAAAAAAGAAAAAGAAAGGAACAGTTTTTCACTTTTTTTGTGATACCTGTGATCGTGGTTTTAAA
AATCAAGAAAAGTATGACAAACACATGTCTGAACATACAAAATGCCCTGAATTAGATTGCTCTTTTACT
GCACACGAGAAGATTGTCCAGTTCCATTGGAGAAATATGCATGCTCCTGGCATGAAGAAGATCAAGTTA
GACACTCCAGAGGAAATTGCACGGTGGAGGGAAGAAAGAAAGGAAAACTATCCAACCTCTGGCCAATATT
GAAAGGAAGAAGATTAAACTTGAAAAGGAGAAGAGAGGAGCAGTATTGACAACAACAATATGGC
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GAGAAACCACAACATTCTGTGATACCAAGGAAGTGACACCAGCCCTATGCTCACTAATGAGTAGCTAT
GGCAGTCTTTCAGGGTCAGAGAGTGAGCCAGAAGAACTCCCATCAAGACTGAAGCAGACGTTTTGGCA
GAAAACCAAGTTCTTGATAGCAGTGCTCCTAAGAGTCCAAGTCAAGATGTTAAAGCAACTGTTAGAAAT
TTTTCAGAAGCCAAGAGTGAGAACCAGAAAGAAAGCTTTGAAAAACAAACCCTAAGAGGAAAAAAGAT
TATCACAACATATCAAACGTTATTGCAACCAAGAACACACCATCCATATCTCTTGAAATGCTTCTAGCT
CCGGACATTCGACATGAAAGAAATGTGATTTTGCAGTGTGTTCCGTACATCATAAAAAAGACTTTTTT
GGACTGGATACTAATTCTGCGAAAAGTAAAGATGTATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_012345

Insert Size: 1488 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_012345.2](#)

RefSeq Size: 3487 bp

RefSeq ORF: 1488 bp

Locus ID: 26747

UniProt ID: [Q9UHK0](#)

Cytogenetics: 13q14.12

Domains: zf-C2H2

MW: 56.3 kDa

Gene Summary: This gene encodes a nuclear RNA binding protein that contains a C2H2 zinc finger motif and a nuclear localization signal. This protein is associated with the nuclear matrix in perichromatin fibrils and, in neurons, localizes to the cytoplasm in association with endoplasmic reticulum ribosomes. This protein interacts with the fragile X mental retardation protein (FMRP), the tumor suppressor protein BRCA1, upregulates RNA polymerase II transcription, and is involved in box C/D snoRNP biogenesis. A pseudogene of this gene resides on chromosome 6q12. [provided by RefSeq, Feb 2012]