

Product datasheet for **SC310605**

NUCKS1 (NM_022731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUCKS1 (NM_022731) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUCKS1
Synonyms:	JC7; NUCKS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310605 representing NM_022731. Blue=Insert sequence Red=Cloning site Green=Tag(s)

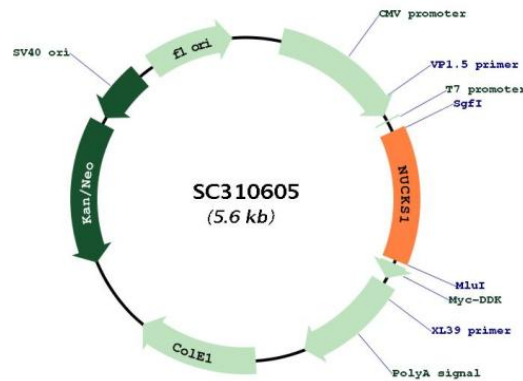
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGTCGGGCCTGTCAGAAATAGGAAGTTGTTGATTACTCACAGTTTCAGGAATCTGATGATGCAGAT
GAAGATTATGGAAGAGATTCGGGCCCTCCCACTAAGAAAATTCGATCATCTCCCCGAGAAGCTAAAAAT
AAGAGGCGATCTGGAAGAATTCACAGGAAGATAGTGAGGACTCAGAAGACAAAGATGTGAAGACCAAG
AAGGATGATTCTCACTCAGCAGAGGATAGTGAAGATGAAAAGAAGATCATAAAAATGTGCGCCAACAA
CGGCAGGCGGCATCTAAGCAGCTTCTAACAGAGAGAGATGCTCATGGAAGATGTGGCAGTGAGGAA
GAACAAGAAGAGGAGGATGAGGCACCATTCCAGGAGAAAGATTCCGGCAGCGATGAAGATTCCTAATG
GAAGATGATGACGATAGTGACTATGGCAGTTCCGAAAAGAAAAACAAAAAGATGGTTAAGAAGTCCAAA
CCTGAAAGAAAAGAAAAGAAAATGCCCAAACCCAGACTAAAGGCTACAGTGACGCCAAGTCCAGTGAAA
GGCAAAGGAAAAGTGGTTCGCCCCACAGCTTCAAAGGCATCAAAGGAAAAGACTCCTTCTCCCAAAGAA
GAAGATGAGGAACCGGAAAGCCCGCCAGAAAAGAAAACATCTACAAGCCCCCACCAGAAAATCTGGG
GATGAAGGTCTGAAGATGAAGCCCTTCTGGGAGGAT TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_022731

Insert Size: 732 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_022731.4](#)

RefSeq Size: 6471 bp

RefSeq ORF: 732 bp

Locus ID: 64710

UniProt ID: [Q9H1E3](#)

Cytogenetics: 1q32.1

Protein Families: Druggable Genome

MW: 27.3 kDa

Gene Summary: This gene encodes a nuclear protein that is highly conserved in vertebrates. The conserved regions of the protein contain several consensus phosphorylation sites for casein kinase II and cyclin-dependent kinases, two putative nuclear localization signals, and a basic DNA-binding domain. It is phosphorylated in vivo by Cdk1 during mitosis of the cell cycle. [provided by RefSeq, Aug 2010]