

## Product datasheet for **RR213103**

### Nucks1 (NM\_022799) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nucks1 (NM_022799) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nucks1
Synonyms:	Nucks
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213103 representing NM_022799 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCGGCCTGTCAGAAATAGGAAGGTCGTTGATTACTCACAGTTTCAGGAGTCAGATGATGCAGACG  
AAGATTATGGAAGAGATTCAGGCCCTCCTGCTAAGAAGATTCGGTCATCTCCCGAGAGGCTAAAAATAA  
GAGGCGATCTGGCAAAAATTCACAAGAAGACAGTGAAGACTCAGAAGAAAAGATGTGAAGACCAAGAAG  
GATGATTCTCACTCAGCAGAAGACAGTGAGGATGAAAAAGATGACCATAAAAGTGTACGCCAGCAGCGGC  
AGGCAGCATCAAAAGCAGCTTCTAAGCAGAGAGAGATGCTCTTGGAAGATGTGGGAGCGAGGAGGACCC  
GGAAGAAGATGATGAGGCGCCATTCCAGGAGAAAGATTCTGGCAGCGACGAAGATTTCTAATGGAGGAC  
GACGATGATAGTGATTATGGCAGTTCAAAAAAGAAAAACAAAAGATGGTTAAGAAGTCCAAACCTGAGA  
GGAAAGAAAAGAAAATGCCCAAACCCAGACTAAAGGCTACAGTGACACCAAGTCCAGTGAAGGGCAAGGG  
GAAAGTGGGTCGCCCCACGGCTTCAAAGACATCAAAGGAAAAAATCCTTCTCCCAAAGAAGAGGACGAG  
GAAGCAGAAAGCCCTCCAGAAAAGAAGACATCTCAAGCCCCCACTCGAGAAGTCTGGAGATGAAGGGT  
CTGAAGATGAAGCGGCATCTGGGAAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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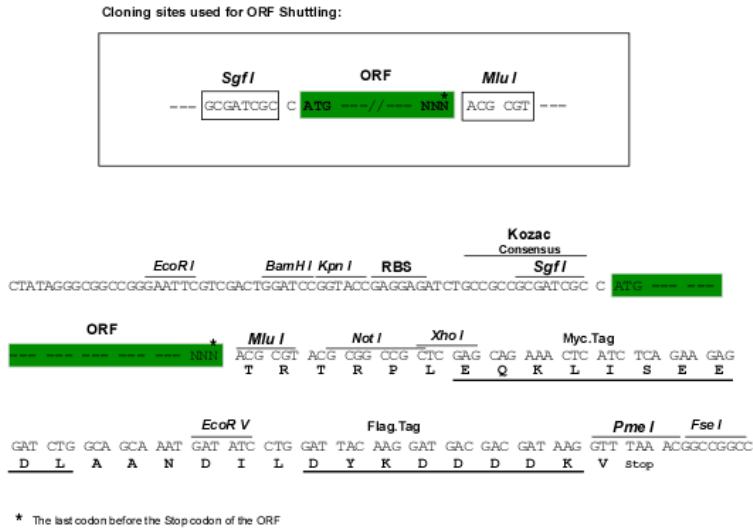
**Protein Sequence:** >RR213103 representing NM\_022799  
Red=Cloning site Green=Tags(s)

MSRPVNRKVVVDYSQFQESDDADEDYGRDSGPPAKKIRSSPREAKNKRSGKNSQEDSEEDSEEKDVKTKK  
 DDSHSAEDSEDEKDDHKSVRQQRQAASKAASKQREMLLEDVGSEEEPEEDDEAPFQEKDSGSDDFLMED  
 DDDSDYGSKKNKMKVKKSKPERKEKMPKRLKATVTPSPVKGKGKVRPTASKTSKEKTPSPKEEDE  
 EAESPPEKTSASPPELKSQDEGESEEAASGED

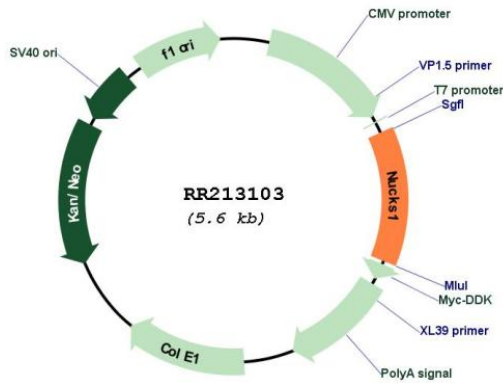
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022799

**ORF Size:** 729 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022799.2</a> , <a href="#">NP_073636.1</a>
<b>RefSeq Size:</b>	1783 bp
<b>RefSeq ORF:</b>	732 bp
<b>Locus ID:</b>	64709
<b>UniProt ID:</b>	<a href="#">Q9EPJ0</a>
<b>Cytogenetics:</b>	13q13
<b>MW:</b>	27.1 kDa
<b>Gene Summary:</b>	a nuclear matrix kinase involved in cell growth and also in cell survival [RGD, Feb 2006]