

Product datasheet for **RR205032**

Nop56 (NM_001025732) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nop56 (NM_001025732) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nop56
Synonyms:	Nol5a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205032 representing NM_001025732
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTTCTGCTGCACGTGCTCTTCGAGCATGCGGTGCGCTACGCGCTGTTAGCGCTGAAGGAAGTAGAGG
 AGATCAGCTTGCTGTTGCCGAGGTGGAGGAGTGTGCTTAACCTTGGCAAATTCACAATGTCGTTCCG
 TCTGGTGGCCTTTTGCCCTTTTCTTCATCCCAGGTTGCCTTGGAAAATGCTAATGCTGTGTCTGAAGGT
 GTTGTTCATGAGGACCTCCGCTGCTCCTGGAGACATACCTGCCATCTAAAAAGAAGAAAGTACTTCTGG
 GGTGGGAGACCCCAAGATCGGTGCTGCTATACAGGAAGAGTTGGGGTACAACCTGCCAGACTGGTGGTGT
 GATAGCTGAGATCCTTCGAGGGGTTGCTGCTGCTTTCCATAACCTGGTGAAGGGTCTGACAGATCTTTCT
 GCTTGAAAGCCAGCTAGGGCTGGGACACAGCTATTCTCGTCCAAAGTTAAGTTAATGTGAACCGGG
 TGGACAACATGATCATTAGTCTATAAGCCTTCTGGACCAACTGGATAAAGATATCAATACCTTCTCCAT
 GCGTGTACAGGAGTGGTATGGGTACCCTTCCAGAGCTGGTGAAGATTATCAACGACAATGCTACATAC
 TGTGCGCTGGCTCAGTTCATCGGAACCGCAGGGAGCTAAATGAAGAAAAGTTAGAGAAGCTGGAAGAAA
 TTACAATGGATGGAGCCAAGGCTAAGGCCATTCTGGATGCCTCTCGGTCTCCATGGGCATGGACATATC
 TGCTATCGACTTGATAAACATCGAGAGCTTCTCCAGTCGTGTGGTGTCTTTGTCAGAGTATCGCCAGAGC
 CTACACAATTACCTTCGCTCCAAGATGAGCCAAGTAGCCCCAGCCTGTGAGCCTTAATTGGGGAAGCGG
 TAGGTGCACGCTCATTGCCCATGTGGCAGCCTCACCAACTGGCCAAGTACCCAGCATCCACAGTGCA
 GATCCTTGGGGCTGAAAAGGCCCTGTTCCAGAGCCTGAAGACAAGGGGTAACACACCAAAATACGGACTC
 ATTTTTCATTCCACTTTTATTGGCCGAGCAGCTGCAAAGAACAAGGCCGATCTCCCGATACCTAGCAA
 ACAAAATGCAGTATTGCCCAAGAATTGATTGCTTCTCTGAGGTCCCACAAGTGTATTTGGGAGAAAAT
 CCGGGAACAAGTTGAAGAGCGGCTTTCTTTCTATGAGACTGGAGAGATTCCACGGAAGAAGCTGGATGTC
 ATGAAAGAAGCTGTGGTACAGGCAGAGGAAGCGGCTGCTGAAATAACAGAAAAGCTGAAAAACAGGAGA
 AGAAACGCTTGAAGAAGGAAAAGAAGCGACTGGCTGCACTGGCCCTGGCCTCTTCAGAAAACAGTAGTAC
 TCCGGAAGAGTGTGAGGAGGTAATGAAAAACCTAAGAAGAAAAAGCTAAAAACCCAGGAAAACCTACAG
 GAAAATGGAATGGAAGACCCACCTGTCTCTTGCCTAAAACCAAGAAAAAGAAAGCTTTTCCAAGGAGG
 AGTTGGCCAGTGATCTTGAAGAGATGGCTACTAGCAGCATAAGTGTTCCTAAGAAAAAGAAGTCTTACC
 TAAAGAGGAAGTGCCAGTGAACCCGAAGAGGCAGCGAGCCCATCACCCCTAAGAAGAAAAAGAAATTT
 TCTGAGGAGCCTGAGGCTGCTGCAAGCTGCACAAAGAGCAGCACAAAGAAAAAGAAAAGTGCAGAAAG
 CCCGGGAGGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205032 representing NM_001025732
 Red=Cloning site Green=Tags(s)

MVLLHVLFEHAVGYALLALKEVEEISLLLPQVEECVNLGKFNHNVRLVAFCPFSSSQVALENANAVSEG
 VVHEDLRLLLETYLPSKKKVLVGVDPKIGAAIQEELGYNCQTGGVIAEILRGVRLHFHNLVKGLTDL
 ACKAQLGLGHSYRAKVKFNVNRVDNMIQSI SLLDQLDKDINTFSMRVREWYGYHFPPELVKIINDNATY
 CRLAQFIGNRRELNEEKLEKLEEITMDGAKAKAILDASRSMGMDISIDLINIESFSSRVVSLSEYRQS
 LHNYLRKMSQVAPSLSALIGEAVGARLIAHAGSLTNLAKYPASTVQILGAEKALFRALKTRGNTPKYGL
 IFHSTFIGRAAAKNKGRISRYLANKCSIASRIDCFSEVPTSVFGEKLRQVEERLSFYETGEIPRKNLDV
 MKEAVVQAEAAAETRKLEKQEKRLKKEKKRLAALALASSENSSTPEECEVNEPKKKKLPQETLQ
 ENGMEDPPVSLPKTKKKKAFPKEELASDLEEMATSSISVPKKKKSLPKEEVASEPEEAASPIPKKKRKF
 SEEPEAAAASCTKSSTKKKKKSQKAREED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

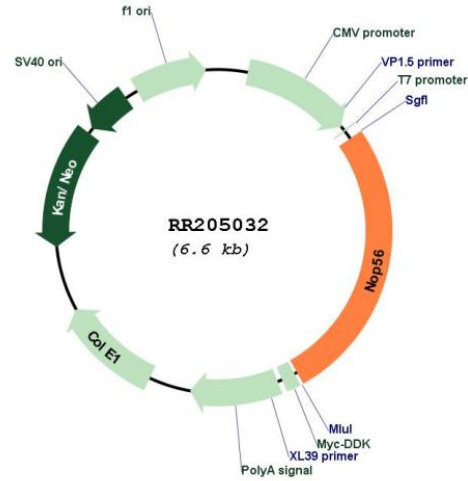
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001025732

ORF Size: 1764 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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_001025732.1 , NP_001020903.1
RefSeq Size:	1936 bp
RefSeq ORF:	1767 bp
Locus ID:	362214
Cytogenetics:	3q36
MW:	65.4 kDa