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Product datasheet for RR202509

Nags (NM_001107053) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nags (NM_001107053) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nags
Synonyms:	RGD1565783
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RR202509 representing NM_001107053
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGACGGCGTGGGTGGCCACAGCCCTGCGATCTGCTGCGGCGGCCAGAAGGCTGCGCAGCCCGGGTG
GACCTGGGGGCTCACGGAGACTGAGTGGCAGCGCGAGGCGGCGCGGGGCGAGGAGCGCCAGCCCGGGACG
CCGGCTCAGCACTGCCAGGGCTCACGTAGAGGACAACGAGGGCACTAAGGGTCGTGTCCAGTCTCCTGCC
GTCGAGGAGCCGCCGTGGACACCTCTTCCAACCCCCCTCGAATCTCCTGCGCCTCCTGCCGGCAAATCAC
TGGTGCAGCGGGACATCCAGGCCTTCCTGAATCAGTGTGGTGCCAGCCCGGGGGAGGCACGGCACTGGCT
CACACAATTCCAGACCTGCTATCATTCGGTGGACAAGCCCTTCGCCGTCGTGGAGGTAGATGAGGAGGTG
TTCGGGTGCCCGCAGGCGGTATCCCGCCTGGCTTTCGCCCTAGCCTTTCTGCAACGCATGGACATGAAGC
CGCTGGTGGTCCTGGGGCTGCCGGCCCCGACGGCCCCTTCCGGCTGTCTCTCCTTCTGGGAAGCTAAGGC
ACAGCTTGCTCAGAGCTGCAAGGTGCTGGTGAATGAACTACGGCACAACGCGGCTACTGCTGTGCCCTTT
TTTGGCGGCGGATCAGTGCTGAGTGCTGCGGAACCAGCTCCCCATGCCAGCTACGGTGGCATCGTCGCGG
TGGAGACAGACCTGTTGCAGTGGTGCCTGGAGTCCAACAGCATTCCAATCCTGTGTCCCATTGGGGAAAC
GGCTGCGCGCCGTTCGGTGCTTCTAGACTCGCTGGAGGTGACTGCGTCTCTGGCCAAGGCTCTGCAGCCC
ACCAAAATCATCTTCCTCAATAATTCAGGCGGCCTGCGGGATACCAGTCAGAAGATCCTGAGCAATGTGA
ACCTGCCCGCCGACCTTGACCTTGTTACCAACGCTGAGTGGCTGAGCACCAAAGAGCGGCAGCAGATTCG
GCTCATCGTGGACGTGCTCAGCCGCCTGCCGCACTACTCCTCCGCAGTCATCACAGCCGCTAGCACGCTG
CTCACCGAACTCTTCAGTAACAAGGGCTGTGGCACCCTGTTTAAAAATGCTGAGCGGATGCTGCGTGTGC
GCAGCCTGGACAGCCTGGACCAGGGCCGCCTAGTGAACCTAGTCAACGCTAGCTTCGGCAAGAAACTCCG
AGAAGACTATCTGGAGTCACTGCGCCCACGGTTACACTCGATCTATGTCTCTGAGGGGTACAACGCGGCA
GCCATTCTGACAGTGGAGCCTGTACTAGGGGGCACCCCGTATCTGGACAAATTTGTAGTGAGCTCCAGCC
GCCAGGGCCAAGGTTCCGGACAGATGCTGTGGGAATGCCTTCGGAGGGACCTGCAAACGTTGTTCTGGCG
CTCACGGGTCACCAACCCCATCAATCCTTGGTACTTCAAGCACAGTGATGGTAGCTTCTCCAACAAGCAG
TGGATCTTCTTCTGGTTTGGCCTAGCCGACATCCGGGACTCCTATGAACTGGTCAATCATGCCAAAGGGC
TGCCAGACTCCTTCTGCAAGCCAGCTTCTGACCCAGGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

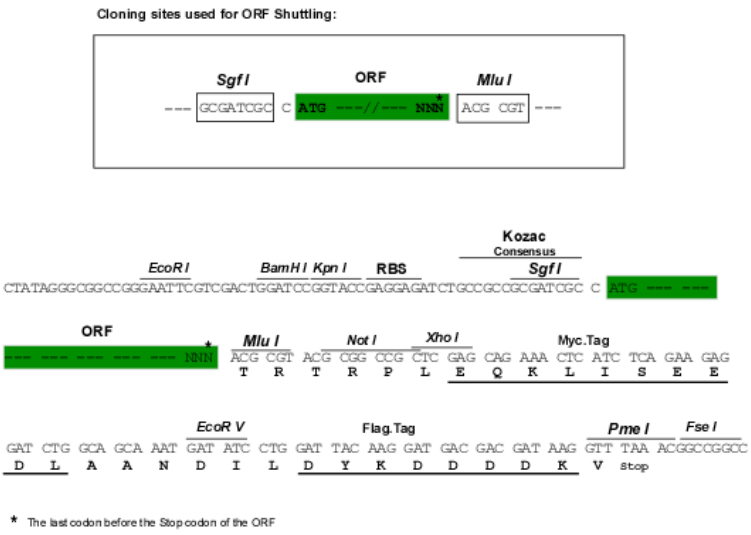
>RR202509 representing NM_001107053
Red=Cloning site Green=Tags(s)

MATAWVATALRSAAAARRLRSPGGPGGSRRLSGSARRRGARSASPGRRLSTARAHVEDNEGTKGRVQSPA
VEEPPWTPLPTPLESPAPPAGKSLVQRDIQAFLNQCGASPGEARHWLTQFQTCYHSVDKPFAVVEVDEEV
FGCPQAVSRLAFALAFLQRMDMKPLVVLGLPAPTAPSGCLSFWEAKAQLAQSCKVLVNELRHNAATAVPF
FGGGSVLSAAEPAPHASYGGIVAVETDLLQWCLESNSIPILCPIGETAARRSVLLDSLEVTASLAKALQP
TKIIFLNNSGGLRDTSQKILSNVNLPADLDLVTNAEWLSTKERQQIRLIVDVLSRLPHYSSAVITAASTL
LTELFSNKGCGTLFKNAERMLRVRSLDSLDQGRLVNLVNASFGKKLREDYLESLRPRLHSIYVSEGYNAA
AILTVEPVLGGTPYLDKFVVSSSRQGQGSGQMLWECLRRDLQTLFWRSRVTNPINPWYFKHSDGSFSNKQ
WIFFWFGLADIRDSYELVNHAKGLPDSFCKPASDPGS

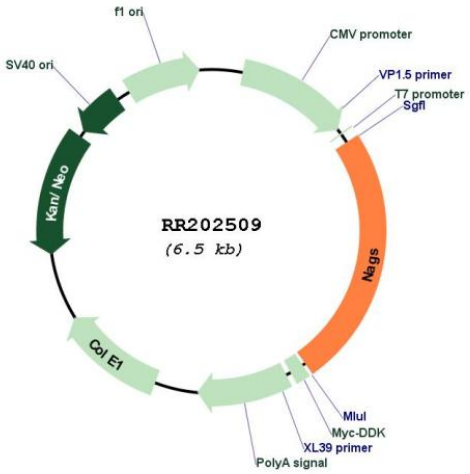
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001107053
ORF Size:	1581 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:	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_001107053.1, NP_001100523.1
RefSeq Size:	2111 bp
RefSeq ORF:	1584 bp
Locus ID:	303563
Cytogenetics:	10q32.1
MW:	57.4 kDa