

Product datasheet for **RR200130**

Nars (NM_001142949) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nars (NM_001142949) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nars
Synonyms:	LRRGT00113
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200130 representing NM_001142949
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTCAGAGGTGATCAGGGGACTGCAGACATGGTTCTAGCAGAGCTCTATGTCTCTGACCGAGAAG
 GAAATGACGCAACGGGGATGGAACCAAGGAGAAACCATTAAAAACAGGCCTAAAGAGGTGGGACGTTAT
 TTCTAAGTCACAGATGAAGAACATCAAAAAGATGTGGCACCGAGAACAGATGAAGAGTGATTCGGGGAG
 AAGAAAGAGGTAAGATTAGTGCATTAGAAGGATACAGAGGCCAGAGAGTGAAGGTGTTGGCTGGGTCC
 ACAGGTTACGAAGGCAAGGAAAGAATCTGATGTTTTGGTGTTCGAGATGGTACGGTTATCTTCAGTG
 TGTCTTGCAGATGACTTGTGTCACTGTTACAATGGAGTAGTCTTGTCCACTGAGAGTAGCGTGGCGGTA
 TACGGGACTGAACCTAACTCAAAGGGCAAACAGGCTCCGGGAGGCCATGAGCTGAGCTGTGACTTCT
 GGGAACTGGTGGGCTGGCCCAGCTGGAGGAGCTGACAACTGATCAATGAGGAGTCTGATGTGGACGT
 CCAGCTCAACAACCGGCATATGATGATCCGGGGAGAGAACATGTCCAAAATCCTGAAAGCACGGTCCATG
 ATCACCAGGTGCTTTAGGGACCCTTCTTCGACAGAGGCTACTGTGAAGTAACCACTCCAACACTGGTGC
 AGACACAGGTGGAAGGTGGGGCCCACTCTTCAAGCTTGACTATTTGGGGAAGAAGCATTTTTGACCCA
 GTCCTCACAGCTGTACCTGGAGACCTGCCTTCCAGCCCTGGGAGATGTTTTTGCATAGCCAGTCTTAC
 AGGGCTGAACAGTCCAGGACACGAAGGCATCTGGCTGAGTTCCTCACGTGGAAGCCGAGTGTCTTTCC
 TGACCTTCGAGGACCTCTGAGCCGTCTAGAGGACCTGGTGTGTGACGTGGTGGACAGAGTCTTGAAGTC
 ACCAGTGGCGAGCATAGTGTATGACCTTAACCCGAACCTTAAAGCCCCAAACGGCCTTCCGGCGGATG
 AACTATTCAGATGCCATTGAGTGGCTGAGGGAGCACGATGTAAGAAAGAAGACGGGACGTTCTACGAGT
 TCGGAGACGATATTCGGAAGCGCTGAGAGACTGATGACAGACACCATTAAATGAACCAACTCTGCTGTG
 TCGGTTTTCTGTGGAGATCAAGTCTTCTACATGCAGCGCTGTCCTGAGGATCCTCGGCTTACCGAATCT
 GTGGATGTGTTGATGCCAATGTCGGTGTGAGATTGTGGGAGGCTCAATGCGCTCCTGGGACAGTGTGAGGA
 TTCTAGAAGGCTATAAAGGGAAGGGATTGACCCGCTCCTTATTACTGGTATACAGATCAGAGAAAATA
 TGGTACATGTCCTCACGGAGGTATGGCTTGGGCTTGAACGATTTCTAAGCTGGATTCTGAACAGGTAT
 CACATCCGAGACGTGTGCTTGTACCCGAGATTTCTCCAGCGCTGCAGGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200130 representing NM_001142949
 Red=Cloning site Green=Tags(s)

MSSEVIRGTADMVLAELVYSDREGNDATGDGTKEKPFKTLKRWVVISKSQMKNIKMMWHREQMKSIDSRE
 KKEVKISALEGYRGQRVKVFGWVHRLRRQGKLMFLVLRDGTGYLQCVLSDDLQCQYNGVVLSTESSVAV
 YGTLNLTPKKGQAPGGHELSCDFWELVGLAPAGGADNLINEEVDVQVQLNNRHMMIRGENMSKILKARSM
 ITRCFRDHFFDRGYCEVTTPTLVQTQVEGGATLFLKLDYFGEAFLTQSSQLYLETCLPALGDVFCIAQSY
 RAEQSRTRRHLAEFTHVEAECPFLLTFEDLLSRLEDLVCDVVDVRLKSPVASIVYDLNPNFKAPKRPFRM
 NYSDAIEWLREHDVKKEDGTFYEFGDDIPEAPERLMTDTINEPILLCRFPVEIKSFYMQRPCEDPRLTES
 YDVLMPNVGEIVGGSMRSDSEEILEGYKREGIDPAPYYWYTDQRYGTCPHGGYGLGLERFLSWILNRY
 HIRDVCLYPRFLQRCRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

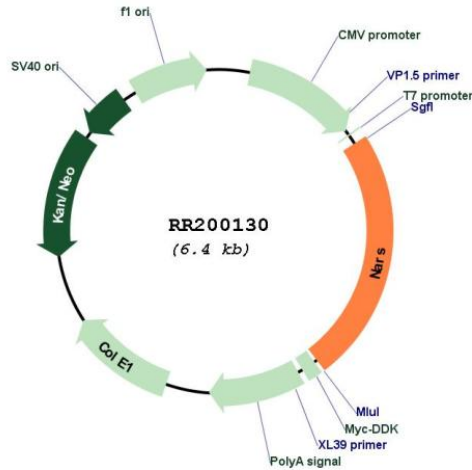
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001142949

ORF Size: 1521 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_001142949.1](#), [NP_001136421.1](#)

RefSeq Size: 2487 bp

RefSeq ORF: 1524 bp

Locus ID: 291556

Cytogenetics: 18q12.1

MW: 58.3 kDa