

Product datasheet for **MG208707**

Nars (NM_027350) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nars (NM_027350) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nars
Synonyms:	3010001M15Rik; AA960128; ASNRS; C78150
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208707 representing NM_027350
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCTAGCAGAGCTGTATGTATCTGACCGAGAAGGAAATGACGCAACCGGGGATGGAACCAAGGAGA
 AACCATTTAAAACAGGCCTAAAGGCTTTGATGACAGTTGAAAAAGAGCCATTTCCACCATTATGTGGA
 CTCACAAAAGGAAAATGAGAGATGGGATGTTATTTCTAAGTCACAGATGAAGAACATTAAGATGTGG
 CACAGAGAACAGATGAAGAACGACTCTAGGGAGAAGAAAGAGGCAGAAGATAACTTACGAAGAGAAAAGA
 ACCTGGAGGAAGCAAAAAAATTATTAAAAATGACCCGAGCCTGCCAGAGCCGGCCTGTGTAAGAT
 TAGTGCATTAGAAGGATACAGAGGCCAGAGAGTGAAGGTGTTGGCTGGTCCACAGTTGCGCAGGCAA
 GGAAGAATTTGATGTTTTTGGTGTTCGAGATGGTACGGGTTATCTTCAGTGTCTTGTCCAGATGACT
 TGTGTGAGTGTACAATGGAGTAGTCTGTCCACCGAGAGTAGTGTGGCGGTGTACGGAACACTAAACCT
 AACTCAAAGGGCAAACAGGCTCCAGGAGGCCATGAGCTGAGCTGTGACTTCTGGAACTGGTGGGCTG
 GCCCGGCTGGAGGAGCTGATAACCTGATCAACGAGGAGTCTGATGTGGATGTCCAGCTCAACAACCGGC
 ACATGATGATCCGGGGAGAGAACATGTCCAAAATCCTGAAAGCGCGCTCCATGATCACCAGTGTTCGG
 GGACACTTCTTCGACAGGGGCTACTGTGAAGTTACCACTCCAACACTGGTGCAGACGCAGGTGGAAGGT
 GGGGCCACGCTCTTAAGCTTACTATTTCCGGGAAGAAGCGTTTTTACCCAGTCTCACAGTTGTACC
 TGGAGACTGCCTTCCAGCCCTGGGAGATGTTTTTGTATAGCCAGTCATACAGGGCCGAACAGTCCAG
 GACACGAAGGCACCTGGCTGAGTTCACCTCACGTGGAAGCTGAGTGCCTTTCCTGACCTTCGAGGACCTC
 CTGAACCGTTTAGAGGACCTAGTGTGTGATGTGGTGGACAGAGTCTGAAGTACCAGTGGCAAGCATAG
 TGTATGAGCTCAACCCGAACCTTTAAACCCCAAGCGGCCTTTCCGAGGATGAACACTCGGATGCTAT
 TGAGTGGCTGAAGGAGCATGATGTCAAGAAAGAAGACGGGACTTTCTACGAGTTTGGAGATGATATTC
 GAAGCGCTGAGAGACTGATGACAGACACCATTAAATGAACCAATCCTGCTGTGTCGCTTTCCTGTGGAGA
 TCAAGTCTTCTATATGCAGCGCTGTCTGAGGATCCTCGACTTACTGAATCTGTGGACGTGTTGATGCC
 CAACGTTGGTGAATTGTAGGTGGCTCGATGCGCTCCTGGGACAGTGAAGGATTCTCGAAGGCTATAAG
 AGGGAAGGATTGACCCGCTCCTTACTACTGGTATACAGATCAGAGAAAATATGGCACCTGTCTCATG
 GAGAGTATGGCTTGGCTTGAACGATTCTTAGCTGGATTCTGAACAGGTATCACATCCGAGATGTGTG
 CCTGTACCCTCGATTTCTCCAGCGCTGCAGGCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208707 representing NM_027350
 Red=Cloning site Green=Tags(s)

MVLAEL YVSDREGNDATGDGTKEKPFKTLKALMTVGKEPFPTIYVDSQKENERWDVISKSQMKNIKKMW
 HREQMKNDSREKKEAEDNLRREKNLEEAKKIIKNDPSLPEPACVKISALEGYRGQRVKVFGWVHRLRRQ
 GKNLMFLVLRDGTGYLQCVLSDDLQCYNGVVLSTESSVAVYGLNLTGKQAPGGHELSCDFWELVGL
 APAGGADNLINEESDQVQLNRRHMMIRGENMSKILKARSMITRCFRDHFDFDRGYCEVTTPTLVQTQVEG
 GATLFLKLDYFGEAFLTQSSQLYLETCLPALGDVFCIAQSYRAEQSRTRRHLAEFTHVEAECPLTFEDL
 LNRLLEDLVCDVDRVLKSPVASIVYELNPNFKPKRPFRRMNYSDAIEWLKEHDVKKEDGTFYEFGDDIP
 EAPERLMTDTINEPILLCRFPVEIKSFYMQRCPEPRLTESVDVLMNVGEIVGGSMRSWSEEILEGYK
 REGIDPAPYYWYTDQRKYGTCPHGEYGLGLERFLSWILNRYHIRDVCLYPRFLQRCRP

TRTRPLE - GFP Tag - V

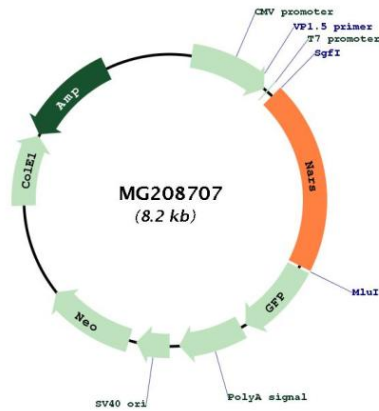
Restriction Sites:

Sgfl-MluI

Cytogenetics: 18 E1

Gene Summary: Catalyzes the attachment of asparagine to tRNA(Asn) in a two-step reaction: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn). In addition to its essential role in protein synthesis, acts as a signaling molecule that induces immune response in a CCR3-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208707