

Product datasheet for **MG218424**

Nars2 (NM_153591) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nars2 (NM_153591) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nars2
Synonyms:	A1875199
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218424 representing NM_153591
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCGGGGCCCGCGCCTGCTCGGCGGCTGCGCCTCTGTTCCCTCGTTTCTGCCCCAGGCCCGCG
 CGTCTGCCAAAATGCGCGTGC GGACGCCCTCAGGGTCCAGGACGCGAGAGGGGAGTGCGTAACGGTGCA
 GGGATGGATCCGGTCCGT CAGATCCCAGAAGGAAGTTTTGTTCTGCATGTAAATGACGGATCTTCTTTG
 GAAAGCCTTCAGATTGTTGCGGATTCAAGCTTCGACAGTAGAGAATTGACTTTTGGGAGTTCTGTGCAAG
 TCCAAGGGCAGCTGGTCAAAAGTCAGTCCAAGAGGCAAAATGTGGAAGTGAAGGCAGAAAAGATTGAGGT
 TATTGGAGACTGTGAAGCCAAGGCATTCCTATAAAGTATAAGGAGCGACACCCTCTGGAGTACCTGAGA
 CAGTATCCTCACCTGAGGTGCAGGACTAATGCTCTGGTTCTATATTGAGGGTCCGAGTGAAGCCACAG
 CTGCTATTCATTCTACTTTAAGGACAATGGCTTTGTGCACATTCATACCCAGTACTCACATCCAACGA
 CTGTGAGGGGCCCGGAGAGCTTTTTCAAGTGGAGCCTTCAAGCAAAATAAAGGGACCCAAGGAGAGTTTC
 TTTGATGTTCTGCTTTCTTAAGTGTCTCAGGACAACCTCACCTAGAAGTGATGTGAGGAGCTTTTACCC
 AAGTATTTACCTTTGGTCCAACATTCAGGACTGAGAATTCAGAGCCGGAGACACCTGGCTGAATTTTA
 TATGGTTGAAGCGGAGATTTCTTTTGTGAAAGCCTTCAGGATCTCATGCAGGTCATGGAGGAACCTTC
 AAGGCGACCACGGAGATGGTTCTCTCACACTGTCTGAAGATGTTGAATTGTGTACCAGTTCATAGCTG
 CTGGCCAGAAGGGCAGACTAGAACATATGCTAAAAACAACCTTCCATAATCTTTCTTATACGGAGGCAAT
 TGAGATCTTAAGCAAGCATCCCAGAACTTCGCCTTTACACCAAGTGGGGTGTGATCTACAAACGGAA
 CATGAGAAGTACCTGGTGAAGACTGTGGCAACATACCAGTCTTGTGATTAAATTATCCATCAGAACTCA
 AGCCCTTCTACATGAGGGAGAATGAAGATGGTCCCTCAGAATACAGTTGCTGCTGTAGATCTTCTGGTTCC
 TGGAGTTGGGGAGCTCTTTGGAGGTAGCCTCAGGGAGGAACGGTACCACGTCCTAGAGCAGCGACTAGCA
 AGATCAGGACTTACGAAAGCCTACCAGTGTACCTGGATCTTCGCAAGTTTGGATCTGTGCCCATGGAG
 GCTTCGGGATGGGATTTGAACGCTACTTACAGTGCATCCTAGGAGTTGACAATATCAAAGATGTTATCCC
 TTTTCCAAGTTTACTCATTCTGTCTTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218424 representing NM_153591
 Red=Cloning site Green=Tags(s)

MLGARRLLGALRLCSSVSCPRPRASAKMRVRDALRVQDARGECVTVQGWIRSVRSQKEVFLHVNDGSSL
 ESLQIVADSSFD SRELTFGSSVQVQQLVKSQSKRQVELKAEKIEVIGDCEAKAFPIKYKERHPLYLR
 QYPHLRCRTNALGSILRVRSEATAAIIHSYFKDNGFVHIHTPVLT SNDCEGAGELFQVEPSSKIKGPKESF
 FDVPAFLTVSGQLHLEVMGSAFTQVFTFGPTFRAENSQSRRLAEFYMVEAEISFVESLQDLMQVMEELF
 KATTEMVLSHCPEDVELCHQFIAAGQKGRLEHMLKNNFLII SYTEAIEILKQASQNF AFTP KWGVDLQTE
 HEKYLVRHCGNIPVFVINYPSELKPFYMRNEDGPQNTVAAVDLLVPGVGELFGGSLREERYHVLEQRLA
 RSLGTLKAYQWYLDLRKFGVSPHGGFGMGFERYLQCILGVDNIKDVIPFRFTHSCLL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153591

ORF Size: 1431 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_153591.4](#), [NP_705819.3](#)

RefSeq Size: 3770 bp

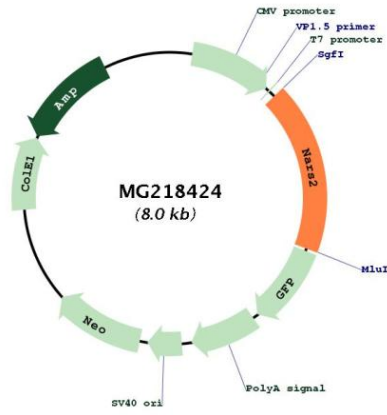
RefSeq ORF: 1434 bp

Locus ID: 244141

UniProt ID: [Q8BGV0](#)

Cytogenetics: 7 E1

Product images:



Circular map for MG218424