

Product datasheet for **MG207625**

Narfl (NM_026238) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Narfl (NM_026238) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Narfl
Synonyms:	9030612I22Rik; AI504405; PRN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207625 representing NM_026238
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGTCGCCCTTCAGTGGGGCACTACAGCTGACCGACTTGGACGACTTCATCGGGCCATCTCAGAATT
 GCATCAAGCCTGTAAAGGTGGCTAAGAAGCCAGGAAGTGGCATAGCCAAGATCCACATTGAAGACGATGG
 CAGTTACTTCCAAGTGAACCAAGACGGAAGAACCAGAAGCTGGAGAAGGCCAAGGTCTCCCTGAATGAC
 TGCCTGGCGTGCAGCGGCTGTGTACCTCAGCAGAGACAGTACTCATCCCCAGCAGAGTCACGAGGAAC
 TGCGGAAGGTTCTAGATGCTAATAAGGAGGCAGCACCTGGTCAGCAGCGGCTGGTGGTCTTTCCATATC
 GCCGCAGTCCAGAGCATCACTGGCTGCCAGGTTTCGGCTGGACCCACAGACACTGCCAGGAAATTAAT
 TCATTCTTCAAAAAATAGGGGTCCACTTTGTCTTTGATACTGCCTTCGCGAGGAATTCAGCCTTTTGG
 AAAGCCAAAAAGAGTTTGTGCAGCGCTTCGAGAGCAAGCCAACCTCCAGAGAGGCCTTGCCTGTGCTGGC
 TTCCGCTGCCAGGCTGGATCTGCTATGCTGAGAAGACACATGGCAACTTCATCTCCCTACATCAGT
 ACAGCCCGGTCCCAACAGCAGGTTATGGGCTCCCTGGTCAAAGACTTCTTCGCACAACAGCAGCTTCTGA
 CTCTGACAAGATCTACCATGTAAAGTGTATGCCTGCTATGATAAAAAGCTAGAAGCATCCAGACCTGA
 CTTCTTCAACCAGGAGTACCAGACCCGTGATGTGGACTGTGTCCTTACAACAGGAGAAGTCTTCAGGCTG
 CTGGAGGAAGAAGGAGTCTCCCTCACGGAGCTGGAGCCTGCGCCCTGGATGGCTTAACCAAGTAGTGTGT
 CTGCTGAGGAGCCAGCAGCCATCGGGGCGGAGGCTCAGGAGGCTACCTGGAGCATGTGTTCCGGCACGC
 AGCCCAAGAGCTCTTTGGAATCCACGTGGCTGAAGTCACTATCAACCTTGAGGAACAAGGACTTCCAG
 GAAGTGACACTGGAAAGGAAGGCCAGTACTGTTGCGCTTTGCTGTGGCCTATGGTTCCGTAATATCC
 AGAACCTCGTGAGAAGTTGAAACGAGGCGCTGTCCCTACCATTACGTGGAAGTAATGGCTGCCCTTC
 AGGTTGCTTGAATGGAGGGGCCAGCTCAAGGCTCCGGATACAGAGGGCAGCAGCTCCTTCAGCAGCTG
 GAAAGACTGTACAGCATGGTGAAGTGTAGGCGCCGGAAGATGCACCGGGGTCCAGGAGCTGTACCAGC
 ACTGGCTGCAAGGAGAGGACTCAGAGCGGGCCAGCCGCTGCTGCACACACAATACCATGCCGTGGAGAA
 GCCCAGCTCAGGCTGAGCATCAGGTGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207625 representing NM_026238
 Red=Cloning site Green=Tags(s)

MASPFSGALQLTDLDDFIGPSQNCIKPVKVAKKPGSGIAKIHIEDDGSYFQVNQDGRQKLEKAKVSLND
 CLACSGCVTSAETVLITQQSHEELRKVLDANKEAAPGQQLVVVSI SPQSRASLAARFRDPTDARKLT
 SFFKKIGVHFVFDTAFAFNFSLLLESQKEFVQRFREQANSREALPVLASACPGWICYAEKTHGNFILPYIS
 TARSPQQVMGSLVKDFFAQQLLTPDKIYHVTVMPCYDKKLEASRPDFFNQEYQTRDVCVLTGGEVFR
 LEEEGVSLTELEPAPLDGLTSSVSAEPPSHRGGSGGYLEHVFRHAAQELFGIHVAEVTYQPLRNKDFQ
 EVTLEREGQVLLRFAYAYGFRNIQNLVQKLKRGRCPYHYVEVMACPSGCLNNGGQLKAPDTEGSELLQQL
 ERLYSMV RTEAPDAPGVQELYQHWLQGEDSERASRL LHTQYHAVEKPSSGLSIRW

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_026238

ORF Size: 1428 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026238.4](#), [NP_080514.3](#)

RefSeq Size: 2555 bp

RefSeq ORF: 1431 bp

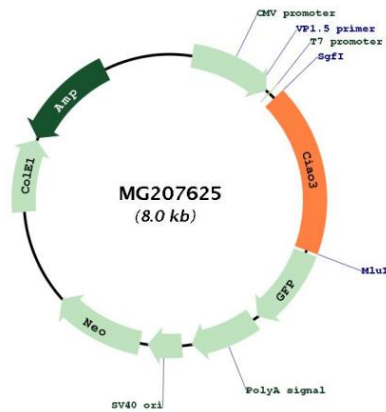
Locus ID: 67563

UniProt ID: [Q7TMW6](#)

Cytogenetics: 17 A3.3

Gene Summary: Component of the cytosolic iron-sulfur protein assembly (CIA) complex, a multiprotein complex that mediates the incorporation of iron-sulfur cluster into extramitochondrial Fe/S proteins. Seems to negatively regulate the level of HIF1A expression, although this effect could be indirect (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207625