

Product datasheet for **MG210384**

Naglu (NM_013792) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naglu (NM_013792) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Naglu
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210384 representing NM_013792
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCCGCGGGCTGGCCGTGATTCTGGGGTTCCTACTCCTGGCTGGGGCTCTGTGGTGATGAGG
 CTCGGGAGGCAAAGGCCGTGCGGGAACCTGGTGGTCCGGCTACTGGGACCCGGGCCGGCCAAATTCCTT
 GGTGTCCGTGGAGCGCGCTGCGGACAGTCCGGCCTGGACACCTACAGCCTGAGCGCGCGCGCGGG
 GTGCCAGTGCTTGTGCGCGGCTCCACGGGCGTGGCGCAGCCGCGGGGCTGCACCGCTACCTGCGTGACT
 TCTGTGGTGTCAAGTGGCCTGGTCCAGCGCTCAGCTGCACCTGCCGTGGCCGCTGCCCGCTGTGCCGA
 CGGGCTGACCGAAACCACGCCAACAGGTACCGCTATTACCAGAATGTGTGCACGCACAGCTACTCCTTC
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 CGATACGTAATCACCGTCTGCCTTCTGGCCTGGGACGCATGGGTAACCTGCACACCTGGGATGGC
 CCCTGCCCGTTCCTGGCACCTCAGTCAAGTCTACCTGCAGCATCGAATCCTGGACCGGATGCGCTCCT
 TTGGCATGATCCAGTGCTGCCTGCCTTCGAGGGCATGTCCCAAGGCCATCACAGGGTGTTCACACA
 GGTCAATGTATCAAGTTGGGAGCTGGGGACATTTCAACTGCTCCTACAGCTGCTCCTTCTTCTGGCT
 CCAGGAGACCCCATGTTTCCCCTCATCGGGAACCTCTTCTACGGGAGCTGACCAAGGAGTTTGGCACAG
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 TACCACTGCAGCCGTCTATGAAGCCATGGTCACTGTGGACCCTGATGCTGTTGGCTGCTCAAGGCTGG
 CTCTTCCAGCACCAGCCCAAGTCTGGGGCCCTCTCAAATCAGGGCTGTGCTGGAGGCCGTGCCCGTG
 GCGTCTCCTGGTCTGGACCTGTTTGTGAAAGCCATCCTGTTTACATGCACACAGCTCCTTCCATGAG
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 GCTTGGAAAGTCTCTACTCAGAAGTGTCTACAAGTCTCTGGGAGGCGTGCAGTGGGCACAATCGAAGCC
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 GCCGAGGCCAGTTCTATGAACAAAACAGCCGCTACCAGATTACCCTGTGGGGGCCCGAGGGCAACATTT
 TGGATTATGCCAATAAGCAACTGGCAGGACTGGTGGTGATTACTACCAGCCTCGCTGGTGCCTCTTCTT
 GGGGACTCTGGCTCACAGCCTAGCCAGAGGTGTCCCCTTCCAACAGCAGAGTTTGAGAAGAAGTTTTTC
 CCACTCGAGCAGGCTTTCGTTTACAACAAGAAGAGGTACCCCAAGTACGCCCCGAGGGGACACCGTGGACC
 TCTCCAAGAAGATCTTCTCAAATATCACCCCCAGCCTGACTCTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210384 representing NM_013792
 Red=Cloning site Green=Tags(s)

MEAAGLAVILGFLLLAGGSVGDAREAKAVREL VVRLLGPGPAANFLVVERALADESGLDITYSLSGGGG
 VPVLVRGSTGVAAAAGLHRYLRDFCGCQVAWSSAQLHLPWPLPAVPDGLTETTPNRYRYQNVCTHSYSF
 VVWDWARWEQEIDWMALNGINLALAWNGQEAIWQRVYLALGLTQSEIDTYFTGPAFLAWGRMGNLHTWDG
 PLPRSWHL SQVYLQHRILDRMRSFGMIPVLP AFAGHVPKAITRVFPQVNVIKLGSWGHFNCSYSCSFLLA
 PGDPMFPLIGNLFLRELTKFEGTDHIYGADTFNEMQPPFSDPSYLAATTAAYVEAMVTVDPAVWLLQGW
 LFQHQPQFWGPSQIRAVLEAVPRGRLLVLDLFAESHVPVYMHTASFHGQPFIWCMMLHNFGGNHGLFGALED
 VNRGPQAARLFPNSTMVGTGIAPEGIGQNEVVYALMAELGWRKDPVPDLMAWSSFAIRRYGVSQPDAVA
 AWKLLLRVYNCSGEACSGHNRSPLVKRPSLQMS TAVWYNRSDVFEAWRLLLTAAPNLTTSPAFRYDLLD
 VTRQAVQELVSLCYEEARTAYLKQELDLLRAGLLVYKLLPTLDELASSHFLLGTWLDQARKAAVSE
 AEAQFYEQNSRYQITLWGPEGNILDYANKQLAGLVADYYPWRWCLFLGTLAHS LARGVFPQQHEFEKNVF
 PLEQAFVYNKKRYPSQPRGDTVLSKKIFLKYHPQPDSL

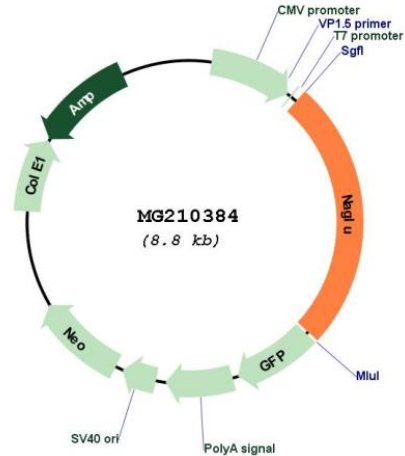
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_013792

ORF Size: 2217 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_013792.2](#)

RefSeq Size: 2452 bp

RefSeq ORF: 2220 bp

Locus ID: 27419

Cytogenetics: 11 D