

Product datasheet for **MG210850**

Med16 (NM_198107) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med16 (NM_198107) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Med16
Synonyms:	95kDa; A630083L04; DRIP92; Thrap5; Trap95
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210850 representing NM_198107
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGACCTGGCCTATGTGTGCGAATGGGAGAAGTGGGCCAAGAGCACGTACTGCCCGTCGCTGCCCTGG
CTTGTGCCTGGTCTGCAGGAACCTCACTGCCTTCACCACAGACCTACGCAATGATGACCAGGATCTGAC
ACACATGATCCATATCCTAGACACGGAACACCCCTGGGAAGTGCCTCTGTCTGCTGATGCTGATGGACAGATCA
GCCATCACCTGCCTGGAGTGGGACCAGTCAGGGTCCCAGGCTACTGTCTGCTGATGCTGATGGACAGATCA
AATGCTGGAGCATGGCTGACCACCTGGCCAACAGCTGGGAGAGCTCGGTGGGAGCCAGGTGGAGGGGGA
CCCCATCGTGGCCCTGTCTGGCTGCACAACGGTGTAAAGCTGGCCCTGCATGTGGAGAAGTCTGGTGCC
TCTAGCTTCGGAGAGAAGTTCTCACGTGTGAAGTTCTCCCGTCCCTCACGCTGTTCCGTGGCAAGCCAA
TGGAGGGTTGGATTGCAGTGACAGTCAGTGGCCTGGTCACTGTGTCCCTTCTGAAGCCCAGCGGGCAGGT
GCTGACGTCCACGAGAGCCTGTGCCGGCTGCGTGGTAGAGTGGCGCTGGCTGACATCGCCTTACGGGC
GGTGGGAACATTGGTGGCTGCTGCAGATGGCAGCAGCGGTACCCCGTGAAGTTCTATAAGGTGTGCG
TCAGCGTGGTCAGCGAGAAGTGGCCGATCGACACGGAGATCCTGCCCTCACTGTTTATGCGCTGCACCAC
CGACCCCAACCGCAAAGACAGGTTCCCCGCCATCACACACCTCAAGTTCCCTGGCGCGAGACATGTCTGAG
CAGGTGCTCCTGTGTGCGTCCAGCCAGACCAGCAGCCTGGTGGAAATGCTGGTCCCTTCGGAAGAGGGCC
TTCCTGTGAACAATATCTTCCAGCAGATCTCGCCTGTGGTTGGTGACAAACAGCCCATGATCCTCAAGTG
GCGAATCCTGTGCGCCACCAATGACCTGGACCGTGTATCCGCGGTGGCACTGCCGAACTGCCCATCTCA
CTCACCAACACTGACCTCAAGGTGGCCAGTGACACCCAGTCTATCCAGGCCCTGGCTTAGCGCTGGCCT
TCCAGGATGGCAGCGTGCACATGGTGCACCCAGTGTCCCTGCAGACCTTGGCGGTGTTCTACAGCTGACG
CCCGCGCTCGCTGGATGAGCCGGCCCTAAAGCGCCTACGCACCACATGCCCTGCCGTACACTTTAAAGCC
ATGCAGCTGTCTGGACTTCGCTGGCCCTCGTGGGCATCGATAACCATGGGAAGCTCAGCATGCTGCGAA
TCTCTCCATCCCTGGGCCACCCACTGGAGCCAAAGCTGGCCCTGCAGCACCTGCTTTTCTGCTGGAATA
CTGCATGGTGACCGGCTATGACTGGTGGGACATCCTGCTACACGTGCAGCCCGGCATGGTGCAGAGCCTG
GTGGAGCGGCTGCATGAGGAGTACACTCGCCAGAAGCCCGCCCTGCAACAGGTCTCTCCACTCGGATCC
TGGCCATGAAGGCTTCACTGTGCAAGCTGTCACCCTGCACAGTGGCTCGTGTGTGACTACCACACCAA
GCTGTTCTCATGGCCATCACGTCCACCCTAAAGTCGCTGCTGCGCCACACTTCTCAACACCCCTGAC
AAGAGCCCTGGGACCGCTGGCCGAGATCTGCGCCAAGATCACCGATGTTGACATCGACAAAGTCATGA
TCAACCTGAAGACTGAAGAGTTCTGCTTTCGATGAACACTTTCAGGCGCTGCAGCAGTTGCTACAGTG
GGTGGGAGACTTCGTGCTCTACCTCCTGGTCAGCCTGCCAACCAGGGCTCCCCGCTAAGGCCGGGCCAC
AGCTTCTCCGAGATGGTACCTCCCTGGGCATGCTGCGAGAGTTGATGGTTGTCATCCGAATCTGGGGCC
TGCTGAAGCCCAGCTGTCTGCCGTCTACACAGCCACCTCGGACACCCAGGACAGCATGTCCCTGCTCTT
CCGACTGCTCACCAAACCTGTGGATCTGCTGCCGTGATGAGGGCGCAGCCAGTGAACCAGATGAGGGTTTG
GTGGATGAATGCTGCCTGCTGCCTAGCCAGCTGCTGGTCCCAACTTGGACTGGCTTCCCGCCAGTGATG
GCCTGGTCAGTCGCTGCAGCCAAACAGCCCCGCGCTGCGCTTCGGCAGAGCGCCACTCTGCCAG
CAGCACCTCCACCCTGCAGCTGGACGGCCTCACCAGGGCCCTGGCCAGCCCAAGATCGACCACCTCCGG
AGGCTACACCTGGGCGCCTACCCACCGAGGAGTGCAAAGCCTGCACCAGGTGTGGCTGTGTACCATGC
TGAAGTCTCCCAACAAGCAACCCTGTGACACAGTGGGAACAGCGGTGGATCAAGAATTGCCTGTGTGG
TGGGCTGTGGCGGAGTGCCTCTCAGCTGTTCC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210850 representing NM_198107
Red=Cloning site Green=Tags(s)

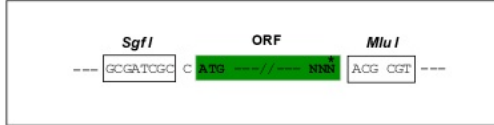
```
MDLAYVCEWEKWKSTYCPSPPLACAWSCRNLTAFTTDLRNDQDLTHMIHILDTEHPWEVHSVSSGHSE
AITCLEWDQSGSRLLSADADGQIKCWSMADHLANSWESSVGSQVEGDPIVALSWLHNGVKLALHVEKSGA
SSFGEKFSRVKFSPSLTLFGGKPMEGWIAVTVSGLVTVSLLKPSGQVLTSTESLCRLRGRVALADIAFTG
GGNIVVAAADGSSASPVKFKYKVCVSVVSEKCRIDTEILPSLFMRCTTDPNRKDRFPAITHLKFLARMSE
QVLLCASSQTSSLYECWSLRKEGLPVNNIFQQISPVVGDQPMILKWRILSATNDLDRVSAVALPKLPIS
LTNTDLKVASDTQFYPGLGLALAFQDGSVHMVHRLSLQTLAVFYSSAPRSLDEPALKRLRTTCPAVHFKA
MQLSWTSLALVGDNHGKLSMLRISPSLGHLEPKLALQHLLFLECYMVTGYDWWIDILLHVQPGMVQSL
VERLHEEYTRQKPALQQVLSTRILAMKASLCKLSPCTVARVCDYHTKFLMAITSTLKSLLRPHFLNTPD
KSPGDLAEICAKITDVIDKVMINLKTEEFVLDMNTLQALQQLLQWVGDFVLYLLVSLPNQGSPLRPGH
SFLRDGTSGLMRELMMVIRIWIWGLLKPSCLPVYTATSDTQDSMSLLFRLTKLWICCRDEGAASEPDEGL
VDECCLLSQQLVPNDWLPASDGLVSRLLQPKQLRRLRFGRAPTLPSSSTLQLDGLTRAPGQPKIDHLR
RLHLGAYPTEECKACTRCGCVTMLKSPNKTTAVTQWEQRWIKNCLCGGLWRRVPLSCS
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI
BamHI *KpnI*
RBS
Kozac
Consensus
SgfI
AscI

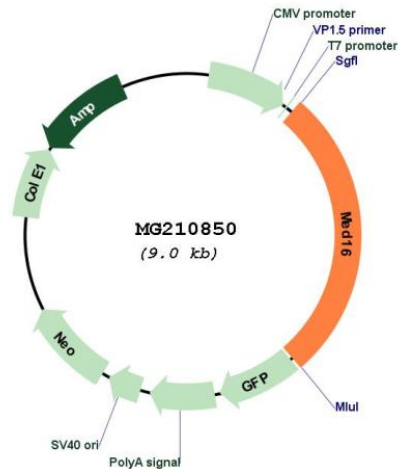
HindIII
NheI *RsrII*
MluI
NotI
XhoI
GFP Tag

--- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
ACG CGT ACG CGG CCG CTC GAG
ATG GAG AGC GAC --- --- ---

T R T R P L E
M E S D - - -

PmeI *FseI*

- - - E E R V
Stop

Plasmid Map:


ACCN: NM_198107

ORF Size: 2484 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_198107.1](#), [NP_932775.1](#)

RefSeq Size: 3206 bp

RefSeq ORF: 2598 bp

Locus ID: 216154

Cytogenetics: 10 C1