

Product datasheet for **MG222481**

Med1 (NM_001080118) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med1 (NM_001080118) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Med1
Synonyms:	AI480703; CRSP210; DRIP205; I11Jus15; PBP; Pparbp; TRAP220
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222481 representing NM_001080118 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCTCAGGGGAAACCGAGGACTCAGAGAGGCTGAGTAAGATGAGCTCCCTCCTGGAACGGCTCC
ATGCAAAATTTAACCAGAACAGACCTTGGAGTGAAACCATTAAGCTTGTGCGTCAAGTAATGGAGAAGAG
GGTCGTAATGAGTTCTGGAGGGCATCAGCATTTGGTCAGCTGTTGGAGACATTGCAGAAGGCTCTCAA
GTAACATCTTTGCCAGCAATGACTGATCGTTTGAATCTATAGCCAGACAGAATGGACTGGGCTCTCACC
TCAGTGCCAGTGGCACTGAGTGTACATCACGTCAGATATGTTCTATGTGGAAGTGCAGTTAGATCTGTC
AGGACAGCTTTGTGATGTCAAAGTGGCTACCATGGGGAGAATCCTGTGAGCTGTCCAGAGCTTGTACAG
CAGTTAAGGGAAAAGAATTTTGAGGAATTTCCAAGCATCTTAAGGGTCTTGTTAATCTGTATAATCTCC
CAGGGGACAACAACTGAAGACTAAAATGTATCTGGCTCTCCAATCCTTAGAACAGGACCTTTCTAAAAT
GGCTATTATGTAAGGCAACCAACGCCGCTCCCTTGGAAGATTCTCATGGAAGTGTGGTTAT
CTCACCCCGGGAGTGGGGTCAATTAATGAATATGAAATACTATGCCTCTCCATCTGACCTGCTGGATG
ATAAGACTGCCTCTCCTATCATTTTGCATGAAAAGAATGTTCTCGGTCTTTGGGAATGAATGCCTCAGT
GACAATGAAGGAACCTCTGCTATGTACAACTCCCAATTGCCCAATTAATATGGGGTACACCCAGCT
GACAACAATGGACCCCTCTTTTCCGAGTCACTAGTGCCAACTGTTGATCTTCTGCGTGTCTTCT
TCTTGAATTTCCAGCAATTCAGTATCTAAAGCATTGTTCAGAACTGCAAAATGCACAGGAAT
CCCGTTGTTGAGACTCCGCCACTTACCTGCCCTGTATGAACTCATCACTCAGTTTGAGCTGTCAAAG
GATCCTGACCCTTACCTTTGAATCACAACATGCGATTTTACGCTGCTCTCCAGGTGAGCAGCACTGCT
ATTTTCTCAATAAAGATGCTCCTCTTCTGATGGTCAGAGCCTGCAGGGAACACTGGTCAGCAAAATCAC
CTTCCAGCACCCTGGCCGAGTTCCTCTTATCTTGAATATGATCAGACACCAAGTGGCCTATAACTCTA
ATTGGAAGCTGTGCAAAAGAATTTTTAAAAGAAGATTCTCCTGGGCTCCTCAGTTTGAAGTGTGTC
CTCTCAGAATCTCGTTCAGTGTATCTTTTCCAGCACCCTGTGAATGACTCCCTGTGTGTGGTGTGAT
GGATGTGAAGACTCAACACATGTGAGCTGAACTCTACAAGGGCTGTGAGTGCCTAATCTGTACA



[View online >](#)

GACGACTTCATTGCCAAAGTTGTTCAAAGATGTATGTCCATTCCTGTGACGATGAGGGCTATTCGGAGGA
AGGCTGAAACCATACAGGCTGACACCCAGCACTGTCTCTCATTGCAGAGACAGTTGAAGACATGGTGAA
AAAGAACCTGCCCGGCTAGCAGCCAGGGTATGGCATGACCACAGGCAACAACCCAATGAGTGGTACC
ACTACACCAACCAACACCTTTCCGGGGGTCCCATTACCACCTTGTTTAAATGAGCATGAGCATCAAAG
ATCGGCATGAGTCGGTGGGCCATGGGGAGGACTTCAGCAAGGTGTCTCAGAACCAATCTTACCAGTTT
GTTGCAAATCACAGGGAACGGGGGTCTACCATTGGCTCGAGTCGACCCCTCTCATCACACGCCGCCA
CCTGTCTCTTCGATGCCCGCAACCAAGAACCACCCGATGCTCATGAACCTTCTTAAAGATAACCCCTG
CCAGGATTTCTCAACCCTTTATGGAAGCAGCCCTTTAGAAAGGAGAAGTCTCTTCCGGATCACCCCG
GATGGAATGTGCTCGGGGAGCAACAAGGCCAAGAAGAAGTGTCAAGAGTCCCACCTGACAAACCC
AAGCACCAGACTGAAGACGATTTCCAGAGGGAGCTCTTTTCCATGGATGTGACTCACAGAACCCATGT
TTGACGTGAGCATGACCCTGACGCGTGGATACACCTCATATCACCCAGCTCCAAGCCAGTGTAGCAC
TCCCCAGCAACGTACCCACAGCCAGTGTCTACCCCCAGCCAGTATTAGAGGATGGTCCGACTGTCC
AGTTCAGACAGCATTGGCCAGATGTAAGTGTATTTTTCAGATATTGCCGAAGAAGCTCAAAGCTTC
CCAGCAGGATGACTGCCACCAATTGGCACCCCTGTTTCGAGATTCTCAAGTCTGGGCATTCTCA
GAGTGCCTCTTTGATTCTGATGTCTTTCAAATAATAATAAATAAATAAATAAATAAATAAATAAATA
CTTATTGCAGATGCTGCTGGAAGCCCAATAGTATTCTCTACCAATCATTTTTTCCCTGATGGAGTAG
ATTTCAATCCTGATTTGTTGAACAGCCAAAGCCAAAGTGGTTTTGGAGAGGAGTATTTTGTGAAAGTAG
TCAGAGTGGGGATAATGATGATTTCAAAGGATTTGCATCTCAGGCATTAATAACATTGGGGATGCCAATG
CTTGGAGGTGACAATGGGGAGCCAAAATTTAAGGGCAGCAGCCAGGCTGACACGGTGGACTTCAGTATTA
TATCAGTAGCCGGTAAGGCTTTGGGTGCTGCAGATCTGATGGAGCACCACAGTGGGAGTCAAGTCTTT
ACTGACCACTGGAGAATTAGGGAAAGAAAACTCAAAGAGGGTGAAGGAAGGCAACGGCACAGGTGCT
AGCAGTGGATCAGTCCAGGGTCCAGCAGCAAGCCAGGCAAGCGCAGCCGCACTCCCTCCAATGATGGGA
AGAGCAAGGATAAGCCTCAAAGCGGAAGAAGGCAGACACTGAGGGGAAGTCCCAATCAGAGTCTTTC
TAATAGACCTTTACCCACCTACCAGCAGGGTGGGTCCAAATCCCCAGGCAGTTCAGGACGATCTCAG
ACGCCCCAGGTGTTGCCACCCGCCATTCCCAAGATTACCATTAGATTCTTAAAGGGACAGTGTGG
TGGGAAGCCCTCTCTCACAGTCACTAGCAGTGGTTCTGTGCTTCTCTGGCAGCAAAAGCCA
CCATAGTCATTCTCTCTCTCTCTCTAGCTTCTGCTTCCACCTCAGGCAAGGTGAAAAGCAGTAAA
TCTGAAGGCTCATCAAGTCCAAGCTCAGTGGCAGTATGTATGCTAGCCAAGGTCTTCTGGATCCAGCC
AGTCCAAAAATTCATCTCAGACTGGGGGAAGCCAGGCTCCTCTCCATTACCAACATGGACTGAGCAG
TGGGTCCAGCAGTACCAAGATGAAACCTCAAGGCAAGCCATCCTCCCTTATGAACCTTCTATAAGTAA
CCAAACATATCCCCTTCCATTCAGGCCTCCCGAGGCTCAGATAAGCTTGCCTCTCCAATGAAGCCTG
TTCTGGAACCCCCATCCTCTAAAGCCAAGTCCCCTATCAGTTCAGGTTCCAGTGGTTCTCATGTGTC
AGGAACTAGTTCAAGCTCTGGTATGAAGTCATCTTCAGGGTCCAGCATCCTCAGGCTCAGTGTCTCAAAA
ACCCCTCCAGCATCTAATTCTTGTACACCATCTTCTCTTCTCGTTTTCTCAAGTGGTTCTTCCATGTCT
CCTCTCAGAAATCAACATGGCAGTTCAAAGGGAATCTCCAGTAGGAATAAGAAGCCTTCTTGACAGC
TGTCATAGATAAATTGAAGCATGGGGTGGTTACCAGTGGGCTGGGGGTGAGGATCCAATAGACAGTCA
ATGGGGCAAGCACAATTTCTTAACCATCCCATGTCTTCCAAACATAACACGTGAGGAGGGGAGTTCC
AGAGCAAACTGAGAAAAGTGATAAAGACAAAATCCAAGTCTCTGCTTCTGGGGGTGAGTGGATTCCTC
TAAGAAGACTTCAGAGTCAAAAAATGTGGGGAGCACGGGGTGGCAAAAAATCATTATCAGCAAGCACGAC
GGAGGCTCCCGAGCATCAAAGCCAAGTGACGCTACAGAAACCTGGAGAAAGTGGTGGAGATGGGCTCA
GGCCACAGATAGCCTCATCAAAGAACTATGGCTCTCCACTTATCAGTGGTTCCACTCCAAAGCACGAACG
GGGTTCTCCAGCCACAGTAAGTCGCCAGCATATACACCACAGAAATGTGGACAGTAAAAGTGAAGTCAAGC
TCCTCCATAGCAGAGAGATCCTACCAGAACAGTCCCAGCTCAGAGGATGGTATCCGACCCTTCCAGAGT
ACAGCACTGAGAAGCATAAGAAGCACAAAAAGGAAAAGAAGTCAAGACAAAGACAGAGACAAGAA
GAAGTCTCACAGCATGAAGCCAGAGAAGTGGTCGAAATCCCCATTTCTTTCAGATCCGACGGCGTGTG
ACAATAACCCTATCTTATCTGCAGACAGGCTTCTAGGCTCAGCCCTGACTTCATGATTGGGGAGGAAG
ATGATGATCTCATGGATGTGCCCTGATTGGCAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

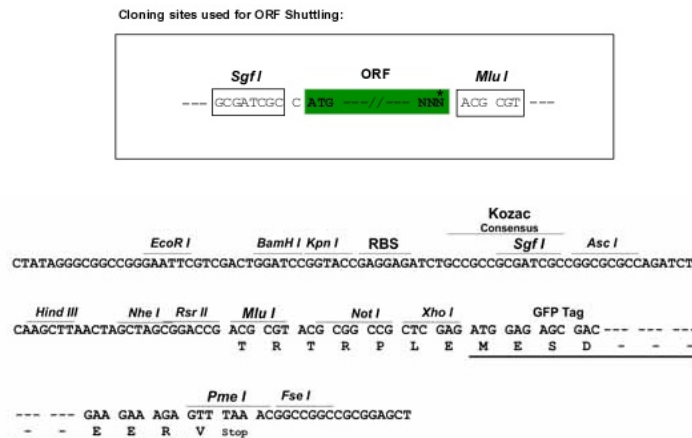
Protein Sequence: >MG222481 representing NM_001080118
 Red=Cloning site Green=Tags(s)

```
MKAQGETEDSERLSKMSSLLERLHAKFNQNRPWSETIKLVRQVMEKRVVMSSGGHQHLVSCLETLQKALK
VTSLPAMTDRLESIARQNLGSHLSASGTECYITSDMFYVEVQLDPAGQLCDVKVAHHGENPVSCPELVQ
QLREKNFEFESKHLKGLVNLNLPDGNLKTMYLALQSLEQDL SKMAIMYWKATNAAPLDKILHGSVGY
LTPRSGGHLNMKYYASPSDLLDDKTASPIILHEKNVPRSLGMNASVTIEGTSAMYKLPAPLIMGSHPA
DNKWTPSFSAVTSANSVDLPACFFLKFPQPIPVSKAFVQKLQNCGTGIPLFETPPTYLPLYELITQFELSK
DPDPLPLNHNMRFYAALPGQHCYFLNKDAPLPGQSLQGTLVSKITFQHPGRVPLILNMRHQVAYNTL
IGSCVKRTILKEDSPGLLQFEVCPLSESRFSVSFQHPVNDSLVCVMDVQDSTHVSKLYKGLSDALICT
DDFIKVVQRCMSIPVTMRAIRRAETIQADTPALSLIAETVEDMVKKNLPPASSPGYGMTTGNPMMSGT
TTPTNTFPGGPITTLFNMSMSIKDRHESVGHGEDFSKVSQNPILTSLQLITGNGGSTIGSSPTPHHTPP
PVSSMAGNTKNHPMLMNLKDNPAQDFSTLYGSSPLERQNSSSGSPRMEMCSGSKAKKKKSSRVPPDKP
KHQTEDDFQRELF SMDVDSQNPMDVSMADALDTPHITPAPSQCSTPPATYPQPVSHQPQSIQRMVRLS
SSDSIGPDVTDILSDIAEEASKLPSTSDDCPPIGTPVRDSSSSGHSQSALFSDVDFQTNMNNENPYTDPAD
LIAAAGSPNSDPTNHFFPDGVDVFNPDLLNSQSQSGFGEEYFDESSQSGDNDDFKGFASQALNTLGMPM
LGGDNGEPKFKGSSQADTVDFSII SVAGKALGAADLMEHHSQSPLTTGELGKEKTQKRKVEKNGTGA
SSGSGPGSDSKPKRSRTPSNDGKSKDKPPKPKKADTEGKSPSHSSSNRPFPTPTSTGGSKSPGSSGRSQ
TPPGVATPPPIKTIQIPKGTVMVGKPSHSHSQTSSGVSSSGSKSHSHSSSSSSSLASASTSGVKVSSK
SEGSSSSKLSGSMYASQSSGSSQSKNSSQTGGKPGSSPITKHGLSSGSSSTKMKPQKPSLMNPSISK
PNISPSHSRPPGGSDKLASPMKPVPGTTPSSKAKSPISSGSSGSHVSGTSSSSGMKSSSGSASSGVSQK
TPPASNSCTPSSSSFSGSSSMSSSQNHGSSKKGKSPSRNKKPSLTAVIDKLBKGVVTSGPGGEDPIDSQ
MGASTNSSNHPMSKHNHSGGEFQSKREKSDKDKSKVSAAGGSDVSSKKTSESKNVGSTQVAKIIISKHD
GGSPSIKAKVTLQKPGESGGDLRQPIASSKNYGSPLISGSTPKHERGSPSHSKSPAATYTPQNVDSSESESG
SSIAERSYQNSPSSDGI RPLPEYSTEKHKHKKKVKRDKDRDKKSHMKPENWSKSPISSDPTASV
TNNPILSADRPSRLSPDFMIGEEDDLMDVALIGN
```

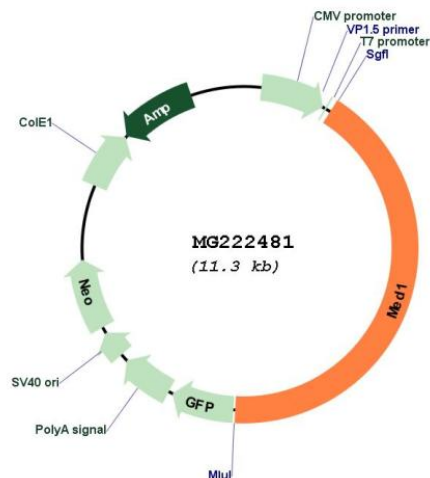
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001080118

ORF Size: 4725 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_001080118.1](#), [NP_001073587.1](#)

RefSeq Size: 6518 bp

RefSeq ORF: 4728 bp

Locus ID: 19014

UniProt ID: [Q925J9](#)

Cytogenetics: 11 61.75 cM

Gene Summary: Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Essential for embryogenesis, including development of the central nervous system, heart, liver and placenta and for erythropoiesis. Also required for normal transcriptional control of thyroid-stimulating hormone beta (TSHB) in the pituitary. Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells (By similarity).[UniProtKB/Swiss-Prot Function]