

Product datasheet for **RC216484**

MED13 (NM_005121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED13 (NM_005121) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED13
Synonyms:	ARC250; DRIP250; HSPC221; MRD61; THRAP1; TRAP240
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC216484 representing NM_005121 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGAGTGCCTCCTTCGTGCCGAACGGGGCCAGCCTGGAAGATTGTCACTGTAACCTCTTCTGCCTGGCTG
ACTTGACAGGAATTAAGTGGAAAAATATGTATGGCAAGGCCCACTTCTGCCCTATTCTGTTTCTGT
GACAGAAGAAGACCCATTTTGGCAGTTTTAGTCGCTGCCTTAAGGCAGATGTACTTGGTGTGGCGG
CGAGATCAAAGACCTGGAAGAAGAGAATTGTGGATATTTGGTGGGTGAAGACCCAGTTTGTCTGACC
TTATTCACCATGACTTATCAGAAGAAGAGATGGAGTGTGGGAGAATGGACTTTCCTATGAATGCCGTAC
TCTGCTTTTCAAAGCAGTTCACAATCTATTGGAACGGTGTTAATGAACAGGAATTTGTACGTATTGGC
AAGTGGTTTGTAAAGCCTTATGAAAAAGATGAAAAACCTATAAATAAAAGTGAACACTTGTCTGTCTCT
TCACCTTTTTCTTGATGGAGACAGCAATGTTGTACCACTGTGGAAATTAACCAACATCAACCTGTATA
CCTTCTCAGTGAAGAGCATATCACCTTGTCTCAACAGTCTAATAGCCCATTTCAAGTTATCTTATGCCCA
TTTGGACTAAATGGCACTCTCACAGGACAGGCATTCAAGATGTCTGATTCACTACAAAAAATTAATTG
GTGAATGGAAACAGTTCTATCTATCTCATGTTGCTTGAAGGAGATGTCTGAAGAAAAACAGGAAGATAT
GGATTGGGAAGATGATTCTTTAGCTGCAGTAGAAGTCTTGTGCTGGTGTCCGAATGATCTACCCAGCA
TGCTTTTGTCTAGTCCCTCAGTCAGACATTCTACTCTAGCCCTGTGGGATCCACTCACTGTTTCATCTT
CTTGCTTGGGTGTCCACCAAGTGCCTGCTTCCACAAGAGATCCTGCTATGTCTTCCGTTACGCTTACACC
ACCTACGTCTCCTGAGGAAGTCCAAACAGTTGATCCTCAGTCTGTCCAGAAGTGGGTCAAATTTTCTTCA
GTATCTGATGGCTTCAACTCCGATAGTACTAGCCACCATGGTGGGAAATACCCAGAAAATTAGCAAATC
ATGTGGTGGATAGAGTTTGGCAAGAATGCAATATGAACAGAGCACAGAACAAGAGGAAGTATTCTGCTTC
ATCAGGTGGTCTATGCGAAGAAGCGACAGCTGCTAAAGTGGCATCCTGGGATTTTGTGAAGCCACACAA
AGAACAATTTGCAAGTTGTTTGGGCACAAAAATCTCAAGTCAAGAAATGCTGGACAACAAGGACAGGCAC
CATCTTTAGGTCAGCAACAACAAATACTTCCTAAGCACAAGACCAATGAGAAGCAAGAAAAGAGTGAAAA
GCCACAGAAACGCCCTTGACTCCTTTTACCATCGTGTGTCTGTTAGTGATGATGTTGGCATGGACGCA



[View online »](#)

GATTGAGCCAGCCAAAGACTTGTGATCTGCTCCAGACAGTCAAGTGAGATTTTCAAATATCCGAACTA
 ATGATGTAGCAAAGACTCCTCAGATGCATGGCACCAGAAATGGCAAATTCACCTCAACCACCCCACTTAG
 TCCTCACCTTGTGATGTGGTTGATGAAGGAGTGACTAAAACACCTTCAACTCCTCAGAGTCAACATTTT
 TATCAAATGCCAACACCAGATCCCTTGGTTCTTCTAAACCAATGGAAGATAGGATAGACAGTTTGTCCC
 AGTCTTTCCACCTCAATATCAGGAAGCTGTAGAACCTACAGTATATGTTGGTACAGCAGTAAACTTGGA
 AGAAGATGAAGCCAATATAGCCTGGAAGTATTACAAGTTCCCAAGAAAAAGATGTAGAGTTTTTACCA
 CCTCAACTTCCAAGTGATAAATCAAGGATGATCCAGTTGGACCTTTTGGACAGGAAAGTGAACATCAG
 TTACAGAGTTAATGGTGCAATGTAAGAAACCTTTAAAAGTTTCTGATGAATTAGTGACAGCAATATCAAAT
 TAAAAACCAAGTGTCTTTAGCAATAGCATCTGATGCAGAACAAAGAACCTAAAAATTGATCCATATGCATTT
 GTTGAAGGAGATGAGGAATTCCTTTTCTGATAAAAAAGATAGACAAAAAGTGAGAGAGAAGCTGGAA
 AAAACACAAGGTAGAAGATGGGACATCTAGTGAACAGTGTTATCACATGAAGAAGATGCTATGTCATT
 ATTTAGTCCCTCTATCAAGCAAGATGCTCCACGCCCTACTAGTCATGCCCGTCTCCATCAACAAGTTTG
 ATTTATGACTCAGACCTGGCTGTCTCTTATACTGACCTTGATAATCTCTTCAATTCTGATGAAGATGAAC
 TAACACCTGGATCTAAAAATCAGCAAAATGGATCAGATGATAAAGCCAGCTGCAAGGAATCAAAGACAGG
 AAATCTGGACCCGTTATCTTGCAATAGCACTGCAGATCTTCATAAAATGTATCCTACACCACCATCATTG
 GAACAACATATTATGGGATTTTCCCAATGAATATGAATAATAAAGAATATGGTAGTATGGATACAACAC
 CTGGAGGAAGTGTCTAGAAGGAAATAGTTCTAGTATAGGAGCGCAGTTCAAAATTGAGGTTGATGAGGG
 ATTCTGTAGCCCCAAACCTTCTGAAATTAAGATTTTTCTTATGTCTATAAGCCTGAAAATTGTCAAATT
 CTAGTGGGATGTTCCATGTTTGACCTCTAAAACTCTACCAAGCCAATATCTGCCCCCTATCAAATTGC
 CAGAAGAGTGATTTACCGTCAGAGTTGGACTGTTGGAATTTGGAATTGCTTTCTTCAGGGCCTCAAT
 GCCATTCATCAAGAGGGTGATGGAAGTAAATGGATCAAGAATATGGCACTGCTTATACACCTCAAAT
 CATACTCTTTTGGGATGCCTCTAGCAGTGCACCTCTAGTAACAGCGGAGCAGGAATCTTCTCTCTC
 CATCCACCCCTCGGTTTCCAACCTCAAGGACTCCAAGGACTCCTCGGACTCCTCGTGAGCTGGTGGACC
 TGCTAGTGCTCAAGGTTCAAGTCAAAATGAAAATTCAGACTTGTATTCACCAAGTTCTACCCCATCTACA
 TGCAGACCCCTTAATTCTGTTGAACCTGCAACTGTCCCTTCCATCCCTGAAGCACACAGTCTTTATGTAA
 ACCTCATCCTTTCAGAATCAGTTATGAATTTGTTTAAAGACTGTAACCTTGATAGTTGTTGCATCTGTGT
 TTGCAACATGAACATCAAGGGTGCCGATGTTGGAGTTTACATTCCAGATCCAACGAGGAGCACAATAT
 AGGTGTACCTGTGGCTTCAGTGTGTCTGAACAGAAAATTTGGAACAATTCAGGATTATTTCTTGAAG
 ATGAACTAGATATCATAGGACGCAATACAGACTGTGGCAAAGAAGCAGAAAAACGTTTTGAAAGCTCTCAG
 GGCTACCTCTGCTGAACATGTTAATGGAGGACTAAAGGAATCTGAAAAATATCTGATGATTTGATATTA
 TTGCTACAAGATCAGTGCATAATTTATTTTACCCTTTGGAGCAGCAGACCAAGATCCTTTTCTAAAA
 GTGGTGTAATTAGCAATTGGGTACGTGTTGAAGAGCGTACTGTTGCAATGACTGCTACCTTGCATTAGA
 ACATGGGCGTCAGTTCATGGATAACATGTGAGGAGGAAAAGTTGATGAAGCACTTGTGAAAAGTTTATGC
 TTACACCCCTGGTCCAAAAGAAACGATGTGAGTATGCAGTGCTCACAGGATATACTTCGAATGCTCCTCT
 CTCTTCAGCCAGTTCTTCAGGATGCCATTACAGAAAAAAGAACAGTAAGACCTTGGGGTGTTGAGGTCC
 TCTCACTTGGCAACAATTTTCAAAAATGGCTGGCCGAGGCTCTTATGGAAGTATGAAATCCCAAGACCA
 CTGCCAATCCCAACATTTTGTGGGTTATGATTATGATTATCTGGTGCTTTCTCCATTTGCTCTTCCTT
 ATTGGGAGAGACTTATGCTGGAACCTATGGATCTCAAAGAGATATAGCCTATGTTGACTGTGTCCAGA
 AAATGAAGCCTTGTTAAATGGAGCAAAAAGCTTTTTAGAGATCTTACTGCAATATATGAGTCTGTGCGA
 TTAGGTCAACATAGACCTGTTTCTCGACTGTTAACAGATGGGATCATGAGAGTTGGATCTACTGCATCAA
 AGAAACTATCAGAAAAGTTGGTAGCAGAATGGTTTTCTCAGGCAGCTGACGGTAACAATGAAGCATTTTCT
 TAAACTCAAGCTTTATGCACAAGTCTGCAGATATGACCTAGGTCCTTATCTTGCTTCCCTGCCATTGGAC
 AGCTCTCTACTTTCCAGCCAAATTTAGTTGCCCTACAAGTCAGTCTTTGATTACTCCACCTCAGATGA
 CAAATACTGGAATGCTAATACTCCATCTGCCACCTTAGCATCTGCAGCGAGCAGCACTATGACAGTGAC
 TTCAGGTGTTGCCATATCTACTTCAGTTGCCACAGCTAATTCACTTTGACCACAGCTTCAACTTCATCT
 TCATCATCCTCCAACCTTGAATAGTGGAGTATCATCAAATAAACTACCTTCGTTTCCACCTTTGGCAGTA
 TGAACAGTAATGCTGCAGGATCCATGTCTACACAAGCAAATACAGTTGAGAGTGGTCAGTAGGAGGGCA
 ACAGACATCAGCTCTACAGACAGCTGGGATTTCTGGAGAATCATCTTCACTTCCCACTCAGCCGCATCCT
 GATGTGTCTGAAAGCACGATGGATCGGGATAAAGTGGGAATCCCAACAGATGGTGATTACATGCAGTCA
 CGTATCCACCTGCAATTGTTGTTTATATAATTGATCCTTTTACATACGAAAAACAGACGAGAGCACTAA
 CTCTTCTAGTGTGTGGACATTGGGGCTACTTCGATGCTTTCTAGAAATGGTCCAGACTCTTCTCTCAT
 ATCAAGAGTACTGTTTCTGTACAGATTATCTTGTGACAGTACCTGTTGCAACCTGTGAAGCATGAAGATA

GAGAAATCTATCCCCAGCATTTAAATCCCTGGCTTTTCGGCCTTTACCCAGTGTCTGGAGGCCACTTCC
 AACATCAACCAATGTGAAAACATTGACTGGCTTTGGTCCAGGTTTAGCCATGGAACTGCCCTTAGAAGT
 CCTGATAGACCAGAGTGTATTCGACTTTATGCACCTCCTTTATTCTGGCTCCAGTGAAGGACAAACAGA
 CAGAGCTAGGAGAAACATTTGGAGAAGCTGGACAGAAATATAATGTTCTTTTGTGGGATACTGTTTATC
 ACATGATCAAAGGTGGATTCTTGCACTCTGCACAGATCTATATGGAGAAGTTTGTAGAACTTGTATCATT
 AACATCGATGTTCCAAATAGGGCTCGTCGGAAGAAAGTTCTGCTAGAAAATTTGGTCTACAGAACTTT
 GGGAGTGGTGTCTAGGACTTGTACAAATGAGTTCATTGCCATGGAGAGTTGTAATTGGTCGTCTAGGAAG
 GATTGGTCATGGAGAATTGAAAGATTGGAGCTGTTTGGTGAAGTCGTAAGTCTGCAAACTTGCAGTCTCTAAGTAAA
 AGGCTCAAAGACATGTGTAGAATGTGTGGTATATCTGCTGCAGACTCCCCTAGCATTCTCAGTGCTTGCT
 TGGTGGCAATGGAGCCGCAAGGCTCTTTTGTATTATGCCAGATTCTGTGTCAACTGGTTCTGTATTTGG
 AAGAAGCACGACTCTAAATATGCAGACATCTCAGCTAAATACCCACAGGATACATCATGTACTCATATA
 CTTGTGTTTCTACTTCTGCTTCTGTGCAAGTAGCTTCAGCTACTTATACCACTGAAAATTTGGATTTAG
 CTTTCAATCCCAACAATGATGGAGCAGATGGAATGGGTATCTTTGATTTGTAGACACAGGAGATGATCT
 TGACCCTGATATCATTAAATATCCTTCTGCTTCTCCAAGTGGTCTCCTGTACATTCTCCAGGATCTCAT
 TACCCCATGGAGGTGATGCGGCAAGGGTCAGAGTACTGATCGGCTACTATCAACAGAACCTCATGAGG
 AAGTACCTAATATTCTTCAGCAACCATTTGGCCCTTGTTACTTTGTATCAACTGCCAAAGCAGGTCCATT
 ACCTGACTGGTCTGGTCAGCATGTCTCAAGCACAATATCAGTGTCCCCTTTTCTTAAGGCCTCTTTG
 CACCTCCACGTGCCTTCAGTGCAATCTGACGAGCTGCTTACAGTAAACTCCCACCCACTTGACTCAA
 ATCAGACTTCAGATGTCCTCAGGTTTGTGTTTGGAAACAGTACAATGCACTCTCCTGGCTAACCTGTGACCC
 TGCAACCCAGGACAGACGCTCATGTCTCCAATTCATTTTGTGGTGTGAATCAGTTATATAACTTTATT
 ATGAATATGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

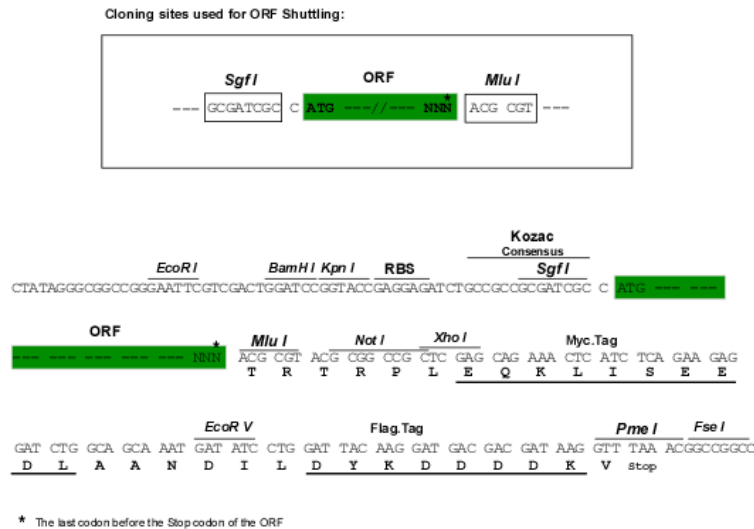
Protein Sequence: >RC216484 representing NM_005121
 Red=Cloning site Green=Tags(s)

MSASFVPNGASLEDCHCNLFCLADLTGIKWKYVWQGPTSAPILFPVTEEDPILSSF SRCLKADVLGVWR
 RDQRPGRRELWIFWWGEDPSFADLIHDLSEEDGVWENGLSYECRTLLFKAVHNLLERCLMNRNFVRIG
 KWFVKPYEKDEKPINKSEHLSCSFTFFLHGDSNVCTSEINQHQPVYLLSEEHITLAQQSNSPFQVILCP
 FGLNGTLTGQAFKMSDSATKKLIGEWKQFYPI SCCLKEMSEEKQEDMDWEDDSLAAVEVLVAGVRMIYPA
 CFVLVPQSDIPTPSPVGSTHCSSSCLGVHQVPASTRDPAMSSVTLTPPTSPEEVQTVDPQSVQKWKVFS
 VSDGFNSDSTSHHGKIPRKL ANHVVDVWQECNMNRAQNKRKYSASSGGLCEEATAAKVASWDFVEATQ
 RTNCSCLRHKNLKS RNAGQQGQAPSLGQQQILPKHKTNEKQEKSEKPKRPLTPFHHRVSVSDVGMDA
 DSASQRLVISAPDSQVRF SNIRTNDAKTPQMHGTEMANSQPPPLSPHPCDVVDEGVTKTPSTPQSQHF
 YQMPTPDPLVPSKPMEDRIDSLSQSFPPQYQEA VEPTVYVGTAVNLEEDANIAWKYKFPKKKDVEFLP
 PQLPSDKFKDDPVGPFQGESVTSVTELMVQCKKPLKVSDLVQQYQIKNQCLSAIASDAEQEPKIDPYAF
 VEGDEEFLFPDKKDRQNSEREAGKKHKVEDGTSSVTLSHEEDAMSLFSPSIKQDAPRPTSHARPPSTSL
 IYSDSLAVSYTDLNLFNSDEDELTPGSKKSANGSDDKASCKESKTGNLDPLSCISTADLHKMYPTPPSL
 EQHIMGFS PMNMNNKEYGSMDTTPGGTVLEGNSSSIGAQFKIEVDEGFCSPKPSEIKDFSYYVKPENCQI
 LVGCSMFAPLKTLP SQYLPPIKLPEECIYRQSWTVGKLELLSSGSPMPFIKEGDSNMDEYGTAYTPQT
 HTSFGMPSSAPPSNSGAGILPSPSTPRFPTPRTPRTPRTPRGAGGPASAGQSVKYENS DLYSPASTPST
 CRPLNSVEPATVPSIPEAHSLYVNLILSESVMNLFKDCNFDSCCICVCNMNIKGAADVGVYIPDPTQEAQY
 RCTCGFSAVMNRKFGNNSGLFLEDELDIIGNRNTDCGKEAEKRFEALRATSAEHVNGGLKESEKLSDDLIL
 LLQDQCTNLFSPFGAADQDPFPKSGVISNWVRVEERDCCNDCYLALEHGRQFMDNMSGKVDEALVKSSC
 LHPWSKRNDVSMQCSQDILRMLLSLQPVLDIAIQKKRTVRPWGVQGPLTWQQFHKMAGRGSYGTDESPEP
 LPIPTFLLGYDYDYLVLSPFALPYWERLMEPYGSQORDIAYVVLCPENEALLNGAKSFFRDLTAIYESCR
 LGQHRPVSRLLTGIMRVGSTASKKLSKLVAEWF SQAADGNNEAFSKLKL YAQVCRYDLGPYLASLPLD
 SSSL SQPNLVAPTSQSLITPPQMTNTGNANTPSATLASAASSTMTVTSGVAISTSVATANSTLTTASTSS
 SSSSNLNSGVSSNKLPSFPPFGSMNSNAAGSMSTQANTVQSGQLGGQTSALQTAGISGESSSLTPQPHP
 DVSESTMDRDKVGIP TDGDSHAVTYPPAIVVYIIDPFTYENTDESTNSSSVWTLGLLRCFLEMVQTLPPH
 IKSTVSVQIIPCQYLLQPVKHEDREIYPQHLKSLAFSAFTQCRRLPTSTNVKTLTGFGPLAMETALRS
 PDRPECIRLYAPPFILAPVKDKQTELGETFGEAGQKYNVLFVGYCLSHDQRWILASCTDLYGELLETCII
 NIDVPNRARRKKSSARKFGLQKLWEWCLGLVQMSSLPWRVVIGRLGRIGHGELKDWSCLLSRRNLQSLSK
 RLKDMCRMCGISAADSPSILSACL VAMEPQGSFVIMPDSVSTGSVFG RSTTLNMQTSQNLTPQDTSCTHI
 LVFPTSASVQVASATYTTENLDLAFNPNDGADGMGIFDLLDTGDDLDPDIINILPASPTGSPVHSPGSH
 YPHGGDAGKGQSTDRLSTEPHEEVPNIIQQPLALGYFVSTAKAGPLPDWFSACPQAQYQCPLFLKASL
 HLHVPSVQSDLELLHSHKSHPLDSNQTS DVLRFVLEQYNALSWLTCDPATQDRRSCLPIHFVVLNQLYNFIMNML

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8119_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_005121

ORF Size: 6522 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

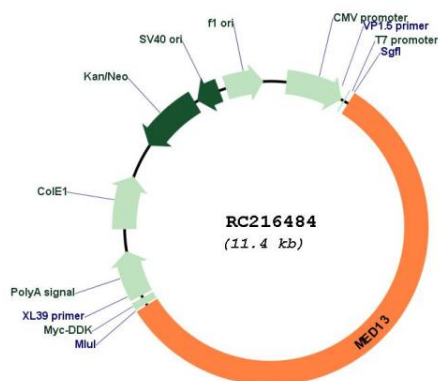
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_005121.3
RefSeq Size:	10474 bp
RefSeq ORF:	6525 bp
Locus ID:	9969
UniProt ID:	Q9UHV7
Cytogenetics:	17q23.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	239.7 kDa
Gene Summary:	This gene encodes a component of the mediator complex (also known as TRAP, SMCC, DRIP, or ARC), a transcriptional coactivator complex thought to be required for the expression of almost all genes. The mediator complex is recruited by transcriptional activators or nuclear receptors to induce gene expression, possibly by interacting with RNA polymerase II and promoting the formation of a transcriptional pre-initiation complex. The product of this gene is proposed to form a sub-complex with MED12, cyclin C, and CDK8 that can negatively regulate transactivation by mediator. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC216484