

Product datasheet for **RC239416**

MED15 (NM_001293237) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED15 (NM_001293237) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED15
Synonyms:	ARC105; CAG7A; CTG7A; PCQAP; TIG-1; TIG1; TNRC7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC239416 representing NM_001293237
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGAAAGCTGGTGTGGCACACAGTAAATCCAGCAAGGATATGGAGAGCCATGTTTTCTGAAGGCCA
AGACCCGGGACGAATACCTTTCTCTCGTGGCCAGGCTCATTATCCATTTTCGAGACATTCATAACAAGAA
ATCTCAAGCTTCCGTCACTGATCCTATGAATGCACTCCAGAGCCTGACTGGCGGACCTGCTGCGGGAGCC
GCTGGAATTGGCATGCCTCCTCGGGGCCGGGACAGTCTCTGGCGGGATGGGTAGCCTTGGTGCCATGG
GACAGCCAATGTCTCTCAGGGCAGCCGCTCCTGGGACCTCGGGGATGGCCCCCACAGCATGGCTGT
CGTGTCTACGGCAACTCCACAGACCCAGCTGCAGCTCCAGCAGGTGGCGTGCAGCAGCAGCAGCAACAG
CAGCAGTCCAGCAGCAGCAGCAGCGGCGCTACAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGTTCC
AGGCTCAGCAGAGTGCCATGCAGCAGCAGTTCCAAGCAGTAGTGCAGCAGCAGCAGCAGCTCCAGCAGCA
GCAGCAGCAGCAGCAGCATCTAATTAATTAATGCATCATCAAAATCAGCAACAGATACAGCAGCAGCAACAG
CAGCTGCAGCGAATAGCAGACTGCAGCTCCAACAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGC
AGCAGCAGGCTTTGCAGGCCAGCCACCAATTCAGCAGCCACCGATGCAGCAGCCACAGCCTCCGCCCTC
CCAGGCTCTGCCCCAGCAGCTGCAGCAGATGCATCACACACAGCACCACCAGCCGCCACCACAGCCCCAG
CAGCCTCCAGTTGCTCAGAACCAACCATCACAACTCCCGCCACAGTCGCAGACCCAGCCTTTGGTGTCA
AGGCGCAAGCTCTCCCTGGACAAATGTTGTATACCCAACCACCACTGAAATTTGTCCGAGCTCCGATGGT
GGTGCAGCAGCCCCAGTGCAGCCCCAGGTGCAGCAGCAGCAGACAGCAGTACAGACAGCTCAGGCTGCC
CAGATGGTGGCTCCCGGAGTCCAGGTACGCCAGAGCAGCCTCCCCATGCTGTCTCGCGTCAACGGGCC
AGCAGGTGCAGACCCCGCAGTCGATGCCCTCCCCCAGCCGTCCCCGAGCCCGGCCAGTCCAGTCC
ACAGCCCAACTCCAACGTCACTCTGGCCCTGCCCATCTCCAGTAGCTTCTGCCCAGCCCTCACCG
CAGCCCTCCAGAGCCAGTGCAGGCGCGGACCCACAGAACTTCAGTGTCCCCTCACCTGGACCTTTAA
ACACACCTGTGAACCCAGCTCTGTCTATGAGCCAGCTGGCTCCAGCCAGGCTGAGGAGCAGCAGTACCT
GGACAAGCTGAAGCAGCTGTGGAAGTACATCGAGCCCTGCGCCGATGATCAACAAGATCGACAAGAAC
GAAGACAGAAAAAGGACCTGAGTAAGATGAAGAGCCTTCTGGACATTCTGACAGACCCCTCGAAGCGGT
GTCCCCTGAAGACCTTGCAAAAGTGTGAGATCGCCCTGGAGAACTCAAGAATGACATGGCGGTGCCAC
TCCCCACGCCCCGGTGCCACCGACCAACAGCAGTACCTATGCCAGCCGCTCCTGGATGCCGTCTGT
GCCAACATCCGCTCACCTGTCTCAACCATCCCTGTACCGCACATTCGTTCCAGCCATGACCGCCATTC
ACGGCCCAACCATCACGGCCCCAGTGGTGTGCACCCGGAAGCGCAGGCTTGAGGATGATGAGCGGCAGAG
CATCCCCAGTGTCTCCAGGCTGAGGTGGCCAGGCTGGACCCCAAGTTCCTGGTAAACCTGGACCTTCT
CACTGCAGCAACAATGGCACTGTCCACCTGATCTGCAAGCTGGATGACAAGGACCTCCCAAGTGTGCCAC
CACTGGAGCTCAGTGTGCCCGCTGACTATCCTGCCAAAGCCCGTGTGGATAGACCGGCAGTGGCAGTA
CGACGCCAACCCCTTCTCCAGTCGGTGCACCGCTGCATGACCTCCAGGCTGCTGCAGCTCCCGGACAAG
CACTCGGTCAACGCTTGTCAACACCTGGGCCAGAGCGTCCACCAGGCTGCCTCTCAGCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239416 representing NM_001293237
 Red=Cloning site Green=Tags(s)

MRKAGVAHSKSSKDMESHVFLKAKTRDEYLSLVARLIIHFRDIHNKKSQASVSDPMNALQSLTGGPAAGA
 AGIGMPPRGPQSLGGMGSLGAMGQPMLSGQPPPGTSGMAPHSMAVVSTATPQTQLQLQQVALQQQQQQ
 QQFQQQQQAALQQQQQQQQQQFQAQQSAMQQQFQAVVQQQQQLQQQQQQQHLIKLHHQNQQQIQQQQQ
 QLQRIACLQLQQQQQQQQQQQQQALQAQPPIQQPPMQQPQPPSQALPQQLQMQMHTQHHQPPQPQ
 QPPVAQNQPSQLPPQSQTQPLVLSQAQALPGQMLYTQPPLKFVRAPMVVQPPVQPVQQQTAVQTAQAA
 QMVAPGVQVSQSSLPMLSSPSGQQVQTPQSMPPPPQPSQPQGPSSQPNNSVSSGPAPSPSSFLPSPSP
 QPSQSPVARTPQNFVSPSPGLNTPVNPSSVMSPAGSSQAEEQYLDKLGKLSKYIEPLRRMINKIDKN
 EDRKKDLKMKSLLDILTDPKRCPLKTLQKCEIALEKLNDAVPTPPPPVPTKQYLCQPLLDVAVL
 ANIRSPVFNHSLYRTFVPAMTAIHGPPITAPVCTRKRREDDERQSIPSVLQGEVARLDPKFLVNLDP
 HCSNNGTVHLICKLDDKDLPSVPLELSPADYPAQSPLWDRQWQYDANPFLQSVHRCMTRLLQLPDK
 HSVTALLNTWAQSVHQAACLSAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

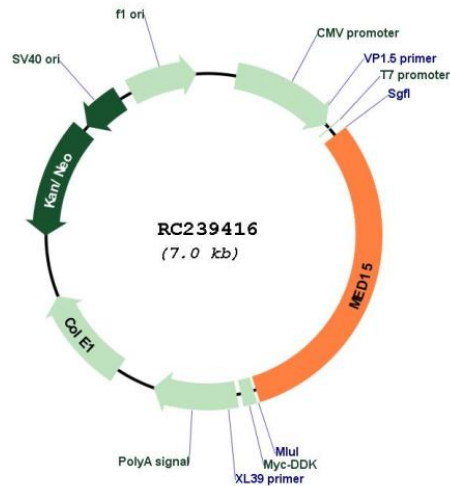
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001293237

ORF Size: 2166 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_001293237.2](#)

RefSeq Size: 3523 bp

RefSeq ORF: 2169 bp

Locus ID:	51586
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	80.1 kDa
Gene Summary:	The protein encoded by this gene is a subunit of the multiprotein complexes PC2 and ARC/DRIP and may function as a transcriptional coactivator in RNA polymerase II transcription. This gene contains stretches of trinucleotide repeats and is located in the chromosome 22 region which is deleted in DiGeorge syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]