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Product datasheet for RC204224

MED15 (NM_015889) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED15 (NM_015889) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED15
Synonyms:	ARC105; CAG7A; CTG7A; PCQAP; TIG-1; TIG1; TNRC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC204224 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGTTTCCGGGCAAGAGACCGACTGGCGGAGCACCGCCTTCCGGCAGAAGCTGGTCAGTCAAATCG
AGGATGCCATGAGGAAAGCTGGTGTGGCACACAGTAAATCCAGCAAGGATATGGAGAGCCATGTTTTCCT
GAAGGCCAAGACCCGGGACGAATACCTTTCTCTCGTGGCCAGGCTCATTATCCATTTTCGAGACATTCAT
AACAAGAAATCTCAAGCTTCCGTCAGTGATCCTATGAATGCACTCCAGAGCCTGACTGGCGGACCTGCTG
CGGGAGCCGCTGGAATTGGCATGCCTCCTCGGGGCCCGGGACAGTCTCTGGGCGGGATGGGTAGCCTTGG
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ATGGCTGTCGTGTCTACGGCAACTCCACAGACCCAGCTGCAGCTCCAGCAGGTGGCGCTGCAGCAGCAGC
AGCAACAGCAGCAGTTCCAGCAGCAGCAGCAGGCGGCGCTACAGCAGCAGCAGCAGCAGCAGCAACAGCA
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GCAGCAGCAGCAGCAGGCTTTGCAGGCCCAGCCACCAATTCAGCAGCCACCGATGCAGCAGCCACAGCCT
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AGCCCCAGCAGCCTCCAGTTGCTCAGAACCAACCATCACAACTCCCGCCACAGTCGCAGACCCAGCCTTT
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CCGATGGTGGTGCAGCAGCCCCCAGTGCAGCCCCAGGTGCAGCAGCAGCAGACAGCAGTACAGACAGCTC
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ACCGGGCCAGCAGGTGCAGACCCCGCAGTCGATGCCCCCTCCCCCCCAGCCGTCCCCGCAGCCCGGCCAG
CCCAGCTCACAGCCCAACTCCAACGTCAGCTCTGGCCCTGCCCCATCTCCCAGTAGCTTCCTGCCCAGCC
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ACCCTTCTCACTGCAGCAACAATGGCACTGTCCACCTGATCTGCAAGCTGGATGACAAGGACCTCCCAAG
TGTGCCACCACTGGAGCTCAGTGTGCCCGCTGACTATCCTGCCCAAAGCCCGCTGTGGATAGACCGGCAG
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CGGACAAGCACTCGGTCACCGCCTTGCTCAACACCTGGGCCCAGAGCGTCCACCAGGCCTGCCTCTCAGC
CGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204224 protein sequence
Red=Cloning site Green=Tags(s)

MDVSGQETDWRSTAFRQKLVSQIEDAMRKAGVAHSKSSKDMESHVFLKAKTRDEYLSLVARLIIHFRDIH
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MAVVSTATPQTQLQLQQVALQQQQQQQQFQQQQQAALQQQQQQQQQQQFQAQQSAMQQQFQAVVQQQQQL
QQQQQQQQHLIKLHHQNQQQIQQQQQQLQRIAQLQLQQQQQQQQQQQQQQQQQALQAQPPIQQPPMQQPQP
PPSQALPQQLQQMHHTQHHQPPPQPQQPPVAQNQPSQLPPQSQTQPLVSQAQALPGQMLYTQPPLKFVRA
PMVVQQPPVQPQVQQQQTAVQTAQAAQMVAPGVQVSQSSLPMLSSPSPGQQVQTPQSMPPPPQPSPQPGQ
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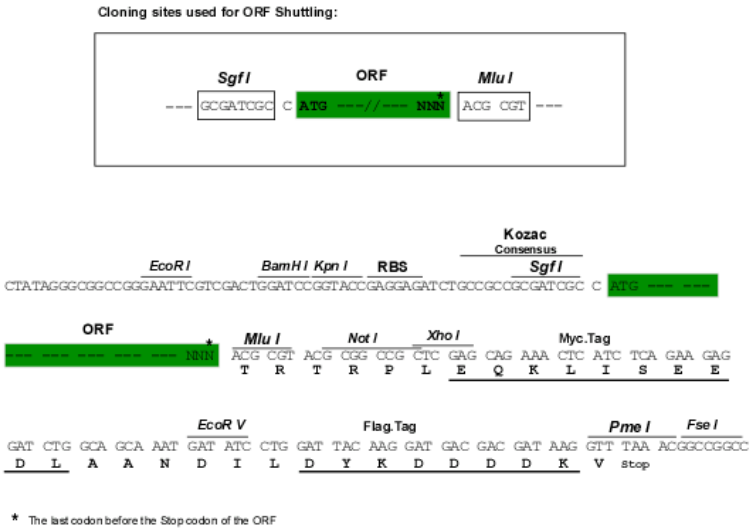
QYLDKLKQLSKYIEPLRRMINKIDKNEDRKKDLSKMKSLLDILTDPSKRCPLKTLQKCEIALEKLKNDMA
VPTPPPPPVPPTKQQYLCQPLLDAVLANIRSPVFNHSLYRTFVPAMTAIHGPPITAPVVCTRKRRLEDDE
RQSIPSVLQGEVARLDPKFLVNLDPSHCSNNGTVHLICKLDDKDLPSVPPLELSVPADYPAQSPLWIDRQ
WQYDANPFLQSVHRCMTSRLLQLPDKHSVTALLNTWAQSVHQACLSAA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6203_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015889

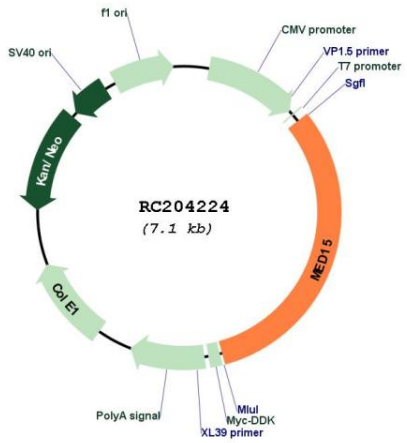
ORF Size: 2244 bp

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

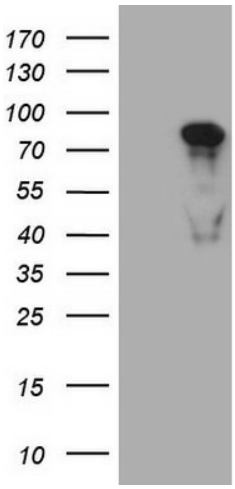
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_015889.5
RefSeq Size:	3331 bp
RefSeq ORF:	2247 bp
Locus ID:	51586
UniProt ID:	Q96RN5
Cytogenetics:	22q11.21
Protein Families:	Druggable Genome, Transcription Factors
MW:	82.6 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]

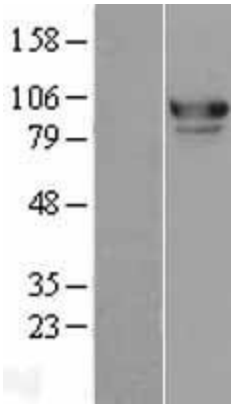
Product images:



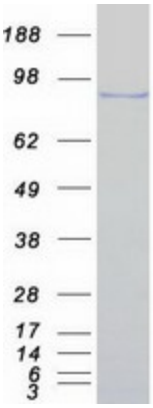
Circular map for RC204224



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MED15 (Cat# RC204224, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MED15(Cat# [TA807950]). Positive lysates [LY402473] (100ug) and [LC402473] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY402473]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204224 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MED15 protein (Cat# [TP304224]). The protein was produced from HEK293T cells transfected with MED15 cDNA clone (Cat# RC204224) using MegaTran 2.0 (Cat# [TT210002]).