

Product datasheet for **MR210454**

Med15 (NM_001040683) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med15 (NM_001040683) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med15
Synonyms:	A230074L19Rik; AW536074; mPcqap; Pcqap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210454 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGTTTTCGGGCAGGAGACCGACTGGCGTAGCGCCGCTTTTCGGCAGAAGCTGGTCAGCCAAATTG
AGGATGCCATGAGGAAAGCTGGTGTGGCCACAGTAAATCTAGCAAGGATATGGAGAGTCATGTGTTCTT
GAAGGCCAAGACCCGGGATGAGTATCTTTCCCTTGTGGCCGACTCATTATCCATTTCCGAGATATTCAT
AACAGAAGAAATCCAAGCTTCTGTGACTGACCCCATGAATGCACTGCAGAGCCTTACTGGTGGACCCACCC
CAGGAGCAGCTGGGATTGGCATGCCTCTCGGGGCCAGGACAGTCCCTGGTGGGATGGTGGCCTTGG
CGTATGGGACAACCACTGCCCTCTCCGGGAACCAACCCCTGGAACCTCTGGAATGGCCCTCATGGC
ATGGCTGTGGTGTCTACAGCACTCCACAGACTCAGCTGCAGCTCCAGCAAGTGGCATTGCAGCAACAGC
AGCAGCAGCAACAACAACAGCAATTCAGCAACAGCAGGACAGTGCAGCAACATCAGCAACAGCAGCA
GCAGCAACAGCAGCAACAGCAGTTCAGGCACAACAGAATGCCATGCAGCAACAGTTCCAAGCAGTAGT
CAGCAGCAGCAGCTTCAGCAGCAGCAGCAGCAGCAGCACCTGATTAAGTTGCATCATCAAAGCCAGCAAC
AACAGATACAACAGCAGCAACTGCAGAGGATGGCAGATTGCAGCTGCAGCAACAGCAACAGCAGCAACA
GCAGCAGGCTTTGCAGGCCAGCCACCAATGCAGCAGCCATCAATGCAGCAGCCACAGCCTCCCCCTTCT
CAGGCCCTACCCAGCAGCTGTACAGCTGCATCATCCACAGCATCACCAGCCACCACCTCAGGCTCAGC
AGTCCCCCATTGCTCAAAACCAACCACCACAGATCCCATCACAGTCACAGAGCCAGCCTTTGGTGTCA
AGCACAAGCCCTTCTGGACCGATGCTGTATGCTGCCAACAGCAGCTGAAATTTGTCCGTGCTCCGATG
GTGGTCCAGCAGCCGCAAGTGCAGCCCCAGGTGCAGCAGGTGCAGCCCCAGGTGCAGCCGAGCAGCAGC
TGCAGGCAGCAGTCTGCCAGATGGTAGCTCCCGGCGTCCAGGTGCAGCCAAAGCAGCCTCACCATGCT
GTCTCACCGTCCAGGCCAGCAGGTGCAGACCCACAGTCGATGCCACCTCCCCACAGCCGTCCCCA
CAACCTGGCTCACAGCCAACTTAATGTCAGCTCCGGCCCTGCCCATCTCCCAGCAGTTCCTGCCTA
GCCCTTACCACAGCCTTCTCAGAGCCAGTGACAGCACGCCACCCACAGAACTTCAGCGTTCCTTCCCC
TGGACCTTTAAACACCCCTGTGAACCCAGCTCTGTATGAGCCAGCTGGCTCTAGCCAGGCTGAGGAG
CAGCAGTACCTGGACAAGCTGAAGCAATTGTCCAAGTACATCGAGCCCTGCGACGCATGATCAACAAGA
TCGACAAGAATGAAGACAGAAAAAGGACTTAAGTAAGATGAAGAGCCTGCTGGACATCCTCACCAGCCC
CTCGAAGAGGTGTCCCCTGAAGACCCTGCAAAAAGTGTGAGATTGCGCTGGAGAAGCTCAAGAATGACATG
GCAGTGCCACACCCCCACCACCCCAAGTCTTCCAACCAACAGCAGGACCTGTGCCAACCCTCCTAG
ATGCAGTCTGGCCAACATCCGTTACCTGTCTTCAACCATTCCTGTACCGCACATTTGTGCCAGCCAT
GATGGCCATCCATGGCCACCTATCGTGTGCCAGTGGTGTGTTCCCGGAAGCGCCGGTTTGAGGAGGAT
GAGCGGCAGAGCATACCCAATGTGCTGCAAGGTGAAGTGGCAAGGCTGGATCCCAAGTTCCTGGTGAAT
TGGACCTTCTCACTGCAGCAACAACGGTACTGTCCACCTGATCTGCAAGCTGGATGATAAGGACCTCCC
TAGTGTGCCACCACTGGAGCTCAGTGTGCCTGTGACTACCCTGCCAGAGCCCAATGTGGATCGACCGT
CAGTGGCAATATGATGCCAACCCCTTTCTGCAGTCAAGTGCACCCGGTGCATGACCTCAAGGCTGTGCAGC
TCCCTGACAAGCACTCGGTACAGCGCTGCTCAACACCTGGGCCAGAGCATCCACCAGGCTGCCTCTC
AGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210454 protein sequence
 Red=Cloning site Green=Tags(s)

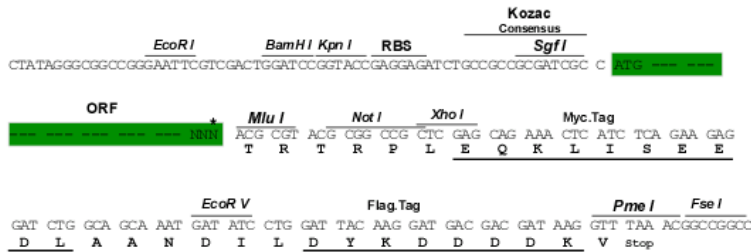
```
MDVSGQETDWRSAAFRQKLVSQIEDAMRKAGVAHSKSSKDMESHVFLKAKTRDEYLSLVARLIIHFRDIH
NKKSQASVSDPMNALQSLTGGPTPGAAGIGMPPRGPGQSLGGMGGLGAMGQPLPLSGQPPPSTSGMAPHG
MAVVSTATPQTQLQLQQVALQQQQQQQQQQFQQQQAALQQHQQQQQQQQQQFQAQQNAMQQQFQAVV
QQQQLQQQQQQHLIKLHHQSQQQIQQQQLQRMAQLQLQQQQQQQQQALQAQPPMQPMSMQQPSPPS
QALPQQLSQLHHPQHHPQPPQAQQSPIAQNQPPQIPSSQSQPLVSAQALPGPMLYAAQQLKFVRAPM
YVQQPQVQVQVQVQVQVQVQVQAAVQAAQSAQMVAPGVQVSQSSLTMLSSPSGQQVQTPQSMPPPPQSP
QPGSQPNSNVSSGPAPSPSSFLPSPSPQSPVPTARTPNFVSPSPGLNTPVNPSSVMSPAGSSQAE
QQYLDKQLKQLSKYIEPLRRMINKIDKNEDRKKDL SKMKSLLDILTDPSKRCPLKTLQKCEIALEKLN
AVPTPPPPVLP TKQDLCQPLLDVLANIRSPVFNHSLYRTFVPAMMAIHGPIVSPVVC SRKRRFEED
ERQSI PNVLQGEVARLDPKFLVNLDP SHCSNNGTVHLICKLDDKDLSPVPLELSPADYPAQSPMIDR
QWQYDANPFLQSVHRCMTRLLQLPDKHSVTALLNTWAQSIHQACLSAA
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001040683

ORF Size: 2250 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_001040683.1](#), [NM_001040683.2](#), [NP_001035773.1](#)

RefSeq Size: 3293 bp

RefSeq ORF: 2250 bp

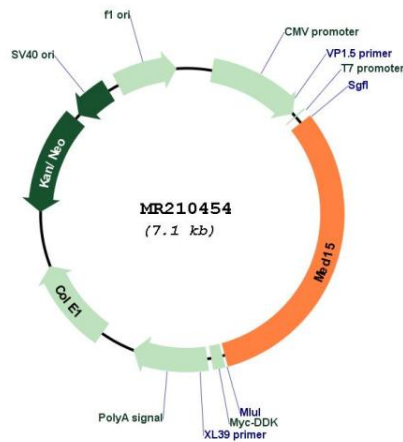
Locus ID: 94112

Cytogenetics: 16 10.94 cM

MW: 82.6 kDa

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. Required for cholesterol-dependent gene regulation. Positively regulates the Nodal signaling pathway (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210454