

Product datasheet for **MR230757**

Med15 (NM_001285886) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med15 (NM_001285886) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med15
Synonyms:	A230074L19Rik; AW536074; mPcqap; Pcqap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230757 representing NM_001285886
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGACATTACTTGACATACACAGACTCTTGCCTTGGCAGGATTGGGATGTGGCTTGTGTGGACTGTT
CATTTTATAGTGAGGATGCCATGAGGAAAGCTGGTGTGGCCACAGTAAATCTAGCAAGGATATGGAGAG
TCATGTGTTCTGAAGGCCAAGACCCGGGATGAGTATCTTTCCCTTGTGGCCGACTCATTATCCATTTT
CGAGATATTCATAACAAGAAATCCCAAGCTTCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT
AGCAACAGCAGCAGCAGCAACAACAACAGCAATTCAGCAACAGCAGGCAGCACTGCAGCAACAGCAGCA
ACAGCAGCAGCAGCAACAGCAGCAACAGCAGTTCCAGGCACAACAGAATGCCATGCAGCAACAGTCCAA
GCAGTAGTGCAGCAGCAGCAGCTTACGAGCAGCAGCAGCAGCAGCACCTGATTAAGTTGCATCATCAA
GCCAGCAACAACAGATACAACAGCAGCAACTGCAGAGGATGGCACAGTTGCAGTGCAGCAACAGCAACA
GCAGCAACAGCAGCAGGCTTTGCAGGCCAGCCACCAATGCAGCAGCCATCAATGCAGCAGCCACAGCCT
CCCCCTTCTCAGGCCCTACCCAGCAGCTGTACAGCTGCATCATCCACAGCATACCAGCCACCACCTC
AGGCTCAGCAGTCCCCATTGCTCAAAACCAACCACACAGATCCACCACAGTACAGAGCCAGCCTTT
GGTGTCAACAAGCACAAGCCCTTCTGGACCGATGCTGTATGCTGCCAACAGCAGCTGAAATTTGTCAGC
CAAAGCAGCCTACCATGCTGTCTCACCCTCACCAGGCCAGCAGGTGCAGACCCACAGTCGATGCCAC
CTCCCCACAGCCGTCCCACAACCTGGCTCACAGCCAACTCTAATGTCAGTCCGGCCCTGCCCATC
TCCCAGCAGCTTCTGCTAGCCCTTACCACAGCCTTCTCAGAGCCAGTGACAGCAGCAGCCACCCACAG
AACTTCAGCGTTCTTCCCCTGGACCTTAAACACCCCTGTGAACCCAGCTCTGTATGAGCCAGCTG
GCTCTAGCCAGGCTGAGGAGCAGCAGTACCTGGACAAGCTGAAGCAATTGTCCAAGTACATCGAGCCCT
GCGACGCATGATCAACAAGATCGACAAGAATGAAGACAGAAAAAAGGACTTAAGTAAGATGAAGAGCCTG
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AGAAGCTCAAGAAATGACATGGCAGTGGCCACACCCCCACCACCCCCAGTCTTCCAACCAAAACAGCAGGA
CCTGTGCCAACCACTCCTAGATGCAGTCTGGCCAACATCCGTTACCTGTCTTCAACCATTCCCTGTAC
CGCACATTTGTGCCAGCCATGATGGCCATCCATGGCCACCTATCGTGTGCGCCAGTGGTGTGTTCCCGGA
AGCGCCGTTTGGAGGAGGATGAGCGGCAGAGCATACCCAATGTGCTGCAAGGTGAAGTGGCAAGGCTGGA
TCCAAGTTCTGGTGAACCTGGACCCTTCTACTGCAGCAACAACGGTACTGTCCACCTGATCTGCAAG
CTGGATGATAAGGACCTCCTAGTGTGCCACCACTGGAGCTCAGTGTGCCTGCTGACTACCCTGCCAGA
GCCCAATGTGGATCGACCGTCAGTGGCAATATGATGCCAACCCCTTTCTGCAATCAGTGCACCGGTGCAT
GACCTCAAGGCTGCTGCAGCTCCCTGACAAGCACTCGGTACAGCGCTGTCAACACCTGGGCCAGAGC
ATCCACCAGGCCTGCCTCTCAGCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230757 representing NM_001285886
 Red=Cloning site Green=Tags(s)

MKTLLDIHRLLPCEWDVACVDCSFYSEDAMRKAGVAHSKSSKDMESHVFLKAKTRDEYLSLVARLIIHF
 RDIHNKKSQASVSAQLQLQQVALQQQQQQQQQQFQQQQAALQQQQQQQQQQQQQFQAQQNAMQQQFQ
 AVVQQQLQQQQQQHLIKLHHQSQQQIQQQQLQMAQLQLQQQQQQQQQQALQAQPPMQPMSQQPQP
 PPSQALPQQLSQLHHPQHHPPPQAQQSPIAQNQPPQIPPSQSQPLVSAQALPGPMLYAAQQQLKFVS
 QSSLTMLSSPSPGQQVTPQSMPPPPQSPSPQPGSQPNSNVSSGPAPSPSSFLPSPSPQSPVARTPQ
 NFSVPSGPLNTPVNPSSVMSPAGSSQAEEQQYLDKLKQLSKYIEPLRRMINKIDKNEDRKKDL SKMKS
 LDILTDP SKRCLKTLQKCEIALEKLNDAVPTPPPPVLPKQDLCQPLLDVLANIRSPVFNHSLY
 RTFVPAMMAIHGPPIVSPVCSRKRFEEDERQSI PNVLQGEVARLDPKFLVNLDP SHCSNNGTVHLICK
 LDDKDLPSVPLEL SVPADYPAQSPMWIDRQWQYDANPFLQSVHRCMTSRLQLPKHSVTALLNTWAQS
 IHQACLSAA

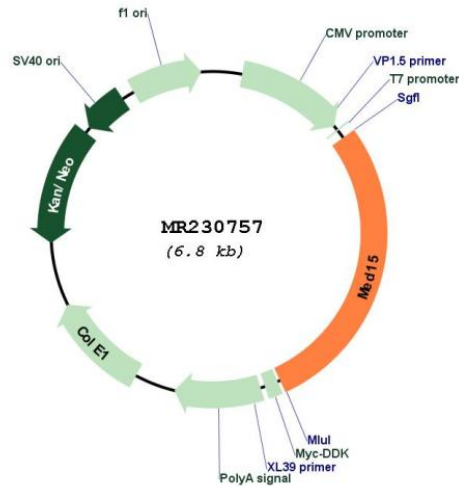
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001285886

ORF Size: 1917 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_001285886.1](#), [NP_001272815.1](#)

RefSeq Size: 3105 bp

RefSeq ORF: 1920 bp

Locus ID: 94112

Cytogenetics: 16 10.94 cM

MW: 72.4 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]