

## Product datasheet for **MC228546**

### Med15 (NM\_001285886) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Med15 (NM_001285886) Mouse Untagged Clone
Tag:	Tag Free
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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**Fully Sequenced ORF:** >MC228546 representing NM\_001285886  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGACATTACTTGACATACACAGACTCTTGCCTTGGGAGATTGGGATGTGGCTTGTGTGGACTGTT  
 CATTATATAGTGAGGATGCCATGAGGAAAGCTGGTGTGGCCACAGTAAATCTAGCAAGGATATGGAGAG  
 TCATGTGTTCTGAAGGCCAAGACCCGGGATGAGTATCTTTCCCTTGTGGCCGACTCATTATCCATTTT  
 CGAGATATTATAACAAGAAATCCCAAGCTTCTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTG  
 AGCAACAGCAGCAGCAGCAACAACAACAGCAATTCAGCAACAGCAGGCAGCACTGCAGCAACAGCAGCA  
 ACAGCAGCAGCAGCAACAGCAGCAACAGCAGTTCCAGGCACAACAGAATGCCATGCAGCAACAGTTCCAA  
 GCAGTAGTGCAGCAGCAGCAGCTTACGAGCAGCAGCAGCAGCAGCACCTGATTAAGTTGCATCATCAA  
 GCCAGCAACAACAGATAACAACAGCAGCAACTGCAGAGGATGGCACAGTTGCAGTGCAGCAACAGCAACA  
 GCAGCAACAGCAGCAGGCTTTGCAGGCCAGCCACCAATGCAGCAGCCATCAATGCAGCAGCCACAGCCT  
 CCCCTTCTCAGGCCCTACCCAGCAGCTGTACAGCTGCATCATCCACAGCATACCAGCCACCACCTC  
 AGGCTCAGCAGTCCCCATTGCTCAAAACCAACCACACAGATCCACCACAGTACAGAGCCAGCCTTT  
 GGTGTCAACAAGCAAGCCCTTCTGGACCGATGCTGTATGCTGCCAACAGCAGCTGAAATTTGTCAGC  
 CAAAGCAGCCTACCATGCTGCTCCTCACCGTACCAGGCCAGCAGGTGCAGACCCACAGTGCATGCCAC  
 CTCCCCACAGCCGTCCCACAACCTGGCTCACAGCCAACTCTAATGTCAGTCCGGCCCTGCCCATC  
 TCCCAGCAGCTTCTGCTAGCCCTTACCACAGCCTTCTCAGAGCCAGTGACAGCAGCAGCCACCCACAG  
 AACTTCAGCGTTCTTCCCCTGGACCTTAAACACCCCTGTGAACCCAGCTCTGTCATGAGCCAGCTG  
 GCTTAGCCAGGCTGAGGAGCAGCAGTACCTGGACAAGCTGAAGCAATTGTCCAAGTACATCGAGCCCT  
 GCGACGCATGATCAACAAGATCGACAAGAATGAAGACAGAAAAAAGGACTTAAGTAAGATGAAGAGCCTG  
 CTGGACATCCTCACCGACCCCTCGAAGAGGTGTCCCTGAAGACCCTGCAAAAAGTGTGAGATTGCGCTGG  
 AGAAGCTCAAGAAATGACATGGCAGTGCCACACCCCCACCACCCCCAGTCTTCCAACCAAAACAGCAGGA  
 CCTGTGCCAACCACTCCTAGATGCAGTCTGGCCAACATCCGTTACCTGTCTTCAACCATTCCCTGTAC  
 CGCACATTTGTGCCAGCCATGATGGCCATCCATGGCCACCTATCGTGTGCCAGTGGTGTGTTCCCGGA  
 AGCGCCGTTTGGAGGAGATGAGCGGCAGAGCATACCAATGTGCTGCAAGGTGAAGTGGCAAGGCTGGA  
 TCCAAGTTCCTGGTGAACCTGGACCCTTCTACTGCAGCAACAACGGTACTGTCCACCTGATCTGCAAG  
 CTGGATGATAAGGACCTCCTAGTGTGCCACCACTGGAGCTCAGTGTGCCTGCTGACTACCTGCCAGA  
 GCCAATGTGGATCGACCGTCAAGTGGCAATATGATGCCAACCCCTTTCTGCAAGTCAAGTGCACCGGTGCAT  
 GACCTCAAGGCTGCTGCAGCTCCCTGACAAGCACTCGGTACAGCGCTGTCAACACCTGGGCCAGAGC  
 ATCCACCAGGCCTGCCTCTCAGCTGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001285886

**Insert Size:** 1920 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001285886.1</u> , <u>NP_001272815.1</u>
<b>RefSeq Size:</b>	3105 bp
<b>RefSeq ORF:</b>	1920 bp
<b>Locus ID:</b>	94112
<b>Cytogenetics:</b>	16 10.94 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR and has multiple coding region differences. These differences result in the use of a alternate start codon, compared to variant 1. The encoded isoform (d) is shorter and has a distinct N-terminus compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>