

## Product datasheet for **MC228888**

### Med15 (NM\_001285884) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Med15 (NM_001285884) 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:** >MC228888 representing NM\_001285884  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACGTTTTCGGGCAGGAGACCGACTGGCGTAGCGCCGCTTTTCGGCAGAAGCTGGTCAGCCAAATTG  
 AGGATGCCATGAGGAAAGCTGGTGTGGCCACAGTAAATCTAGCAAGGATATGGAGAGTCATGTGTTCTT  
 GAAGGCCAAGACCCGGGATGAGTATCTTTCCCTTGTGGCCGACTCATTATCCATTTCCGAGATATTCAT  
 AACAGAATAACCAAGCTTCTGTGACTGACCCCATGAATGCACTGCAGAGCCTTACTGGTGGACCCACCC  
 CAGGAGCAGCTGGGATTGGCATGCCTCCTCGGGGCCAGGACAGTCCCTGGTGGGATGGTGGCCTTGG  
 CGTATGGGACAACCACTGCCCTCCTCGGGCAACACCCCTGGAACCTCTGGAATGGCCCTCATGGC  
 ATGGCTGTGGTGTCTACAGCACTCCACAGACTCAGCTGCAGCTCCAGCAAGTGGCATTGCAGCAACAGC  
 AGCAGCAGCAACAACAGCAATTCAGCAACAGCAGGACAGTGCAGCAACAGCAGCAACAGCAGCA  
 GCAGCAACAGCAGCAACAGCAGTTCAGGCACAACAGAATGCCATGCAGCAACAGTTCAAAGCAGTAGT  
 CAGCAGCAGCAGCTTCAGCAGCAGCAGCAGCAGCAGCACCTGATTAAGTTGCATCATCAAAGCCAGCAAC  
 AACAGATACAACAGCAGCAACTGCAGAGGATGGCAGATTGCAGCTGCAGCAACAGCAACAGCAGCAACA  
 GCAGCAGGCTTTGCAGGCCAGCCACCAATGCAGCAGCCATCAATGCAGCAGCCACAGCCTCCCCCTTCT  
 CAGGCCCTACCCAGCAGCTGTCACAGCTGCATCATCCACAGCATCACCAGCCACCACCTCAGGCTCAGC  
 AGTCCCCCATTGCTCAAAACCAACCACCACAGATCCCACCACAGTCACAGAGCCAGCCTTTGGTGTCA  
 AGCACAAGCCCTTCTGGACCGATGCTGTATGCTGCCAACAGCAGCTGAAATTTGTCGGTGTCCGATG  
 GTGGTCCAGCAGCCGCAAGTGCAGCCCCAGGTGCAGCAGGTGCAGCCCCAGGTGCAGCCGAGCCAGCAG  
 TGCAGGCAGCACAGTCTGCCAGATGGTAGCTCCCGCGTCCAGATGATTGCTGAAGCCTTGGCCCAAG  
 CGGGATGCACGTAAGAGCCCGTTCCCGCCACCTCCACCATGTCTGCTGGCCCGTCAAGCTCCATCTCT  
 TTGGGCGGACAGCCACAACACAGGTGACGCCAAAGCAGCCTCACCATGTCTCCTCACCCTCACCAGGCC  
 AGCAGGTGCAGACCCACAGTCGATGCCACCTCCCCACAGCCGTCCCCACAACCTGGCTCACAGCCCAA  
 CTCTAATGTCAGCTCCGGCCCTGCCCATCTCCAGCAGCTTCTGCTAGCCCTTACCACAGCCTTCT  
 CAGAGCCAGTGACAGCACGCACCCACAGAATTGAGCGTTCCTTCCCTGGACCTTTAAACACCCCTG  
 TGAACCCAGCTCTGTCATGAGCCAGCTGGCTTAGCCAGGCTGAGGAGCAGCAGTACCTGGACAAGCT  
 GAAGCAATTGTCAAGTACATCGAGCCCTGCGACGCATGATCAACAAGATCGACAAGAATGAAGACAGA  
 AAAAAGGACTTAAGTAAGATGAAGAGCCTGCTGGACATCCTCACCAGCCCTCGAAGAGGTGTCCCCTGA  
 AGACCCTGCAAAAAGTGTGAGATTGCGCTGGAGAAGCTCAAGAATGACATGGCAGTGGCCACACCCACC  
 ACCCCAGTTCCTCAACCAACAGCAGGACCTGTGCCAACCACTCCTAGATGCAGTCTGGCCAACATC  
 CGTTACCTGTCTTCAACCATTCCCTGTACCGCACATTTGTGCCAGCCATGATGGCCATCCATGGCCAC  
 CTATCGTGTGCCAGTGGTGTGTTCCCGGAAGCGCCGTTTGGAGGAGATGAGCGGCAGAGCATAACCCAA  
 TGTGCTGCAAGGTGAAGTGGCAAGGCTGGATCCCAAGTTCCTGGTGAACCTGGACCTTCTCACTGCAGC  
 AACAACGGTACTGTCCACCTGATCTGCAAGCTGGATGATAAGGACCTCCCTAGTGTGCCACCACTGGAGC  
 TCAGTGTGCTGCTGACTACCTGCCAGAGCCCAATGTGGATCGACCGTCAGTGCCAATATGGTAGATG  
 CCAACCCCTTTCTGCAGTCAGTGCACCGGTGCATGACCTCAAGGCTGCTGCAGCTCC**CGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001285884  
**Insert Size:** 2301 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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_001285884.1, NP_001272813.1</u>
<b>RefSeq Size:</b>	3417 bp
<b>RefSeq ORF:</b>	2301 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 (3) uses an alternate splice site in the 3' coding region which results in a frameshift compared to variant 1. The encoded isoform (c) is shorter and has a distinct C-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>