

## Product datasheet for **MC224496**

### Med14 (NM\_001048208) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Med14 (NM\_001048208) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Med14  
**Synonyms:** 9930001L01Rik; AU041628; Crsp2; ENSMUSG00000073278; Gm641; ORF1; Trap170  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224496 representing NM\_001048208  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCCAGTGCAGCTGGACAACCACCAGCTGATCCCTCCTGGCGGGCGGTTGGCAGCAGCGGGCGG  
 GAGGCAGCAGCAGCGGCTCCGCGTCTGCCCGGCTCCCCGCGCCCGCAGCCGCTGTGGCGGGCGCAGC  
 TGGCGGCGCAGCTAGCCCTGGATACCGGCTTAGCAGCTCATCGAATTTCTGCTCCACGGGCTACTCG  
 GAGCTTATGGTGTGACGGACTTATTGCCAAGGAAATCTGATGTGGAAAGGAAAAAGAAATTTGACAGT  
 TTGCTAGCCGGACACGTCAACTCTTCGTTTCGATTATTAGCTTTAGTAAAAAGGGCAATGACGCTGGCAA  
 AGTAGAAAAGTGTGCGATGATCTCAAGCTTTTTAGATCAGCAAGCTATCTTATTTGTGGATACCGCTGAC  
 CGCTTGGCCTCCTTAGCTAGAGATGCCCTGGTCCATGCACGCCTGCCTAGTTTTGCTATTTCCATATGCCA  
 TTGATGTACTGACTACTGGCTCTTATCCACGGCTTCCAACCTGCATCAGGGACAAAATTATTCCTCCAGA  
 CCCAATTACAAAATTGAGAAACAAGCCACACTTCATCAGCTTAATCAGATTCTTAGACATAGGCTTGTA  
 ACGACAGATCTTCTCCACAGCTAGCAAATCTTACAGTGGCAAATGGCCGTGTGAAGTTTCGAGTTGAAG  
 GAGAATTTGAAGCAACCTTGACAGTGTGGGTGATGACCCAGAAGTCCCGTGGCGTCTTCAAGCTAGA  
 AATTCTAGTTGAGGATAAGGAAACAGGAGATGGGCGAGCTTTGGTTCATAGCATGCAAATCGATTTTATC  
 CATCAGCTGGTCCAGTCTAGGCTCTTTGCTGATGAGAAACCTCTTCAGGACATGTACAACCTGCCTACATT  
 GTTTCTGCTTATCGCTTCAACTAGAAGTATTACATTCCCAGACACTAATGTTAATCCGAGAGAGGTGGGG  
 AGACCTTGTACAGGTGAAAGATACCATGCTGGAAAGAGCCTCTCCCTCTCAGTTTGAATCAACAGGTT  
 CTAGGGAGAAAAACAGGCACAGCATCTGTTACAAAAGTTACAATAAAAATCGATGAGAATGATGTCTCCA  
 AGCCTTTACAGATTTTTCATGATCTCCTTTGCCAGCTTCTGATTCTAAATAGTAGAAAGGCCATGAA  
 GATTGACCACTTATCAATAGAAAAGCTCCTGATTGACAGTGTACACGCAAGAGCCACCAGAGGCTGCAG  
 GAACTGAAGGCCATTCTAGAAGCTTCAACGCCAATGAAAGCTCTCCATAGAGACTGCCTTCCAGCTC  
 TTATTGTACCCATCTTGGAGCCTTGTGGTAATTCGGAGTGCCTACACATTTTGTAGATTTGCATTTCTGG  
 AATGTTCCAATTGATGCTTTATGGACTTGACCCAGCCACTCTGGAGGACATGGAAAAATCTTTGAATGAT  
 GACATGAAGCGGATCATCCCTTGGATTACGCAACTAAGTTTTGGCTGGGACAACAGCGTTGCAACAAT



CTATAAACATCTGCCTACAATAACCACTGAAACGTTGCAGCTTGCCAACTATTCAACACATCCCATTGG  
 AAGCCTTTCTAAGAATAAGCTGTTTATTAACCTTACTCGCTTCCACAGTACTACATTGTTGTGAAATG  
 CTTGAGGTTCTAATAAGCCTACGCAGCTATCATATAACTATTACTTTATGTCGGTGAGTACTGCAGATC  
 GTGAGGACAGCCCTGTCATGGCACTGCTGCTGCAGCAATCAAGGACAACATCCAGGACCTGATGTCCTA  
 TACAAAGACTGGGAAACAGACCAGAAGTGGTACCAAGCACAAGTTGTCTGATGACCCATGTCGATAGAC  
 TCCAAGAAAGCCAAACGATCAGGAGAAAATGTGTCCTCAATAAAGTTCTAGCTCACTTTGTTGCTATGT  
 GTGACACCAACATGCCATTTGTTGGTCTTCGATTGGAGTTGTCTAACCTCGAGATACCACATCAGGGAGT  
 GCAAGTGGAAAGGTGATGGCTTCAACCATGCAATTCGCTTATTAAGATTCCCTCCCTGTAAGGAATAAGT  
 GAGGAAACACAGAAGGCTCTGGACCGCTCTCTTCTTGATTGCACTTTCCGATTACAAGGTAGAAAATAACC  
 GCCTTGGGTGGCTGAATTAGTGTGTTGCAAATTGTCGCTTAATGGCACTTCCACCAGGGAGCAAGGACC  
 ATCCCAGCATGTTACCTGACGTATGAAAATTTGTTGTCTGAACCTGTTGGTGGCAGAAAAGTAGTTGAA  
 ATGTTTCTTAATGACTGGAGTAGCATTGCCGTTTACGAGTGTGTGTTGGAATTTGCACGTTCTCTAC  
 CAGAAATACCTGCTCATCTGAATATTTTCTCAGAAGTTCGTGTTATAATTATCGAAAGCTTATCTTATG  
 TTATGGAACACCAAAGGAGCTCAATTAGTATTCAGTGGAACTCCATTCATCAGAAATTTACATTGCG  
 TTGGGAACAGTTGGCCAAACTCAGTTGCAGTAACTGTCACAATACCATTCTCCATCAACTTCAAGAAA  
 TGTTCAACAAAACACCAATGTGGTTCAAGTATTACAGGTTTTGTTTGATCTCAGGCACCATTAATGC  
 TATCAACAAACTCCCTACTGTTCCAATGTTGGGCTTGACCCAGAGAACTAACACCCGCTACCAGTGTTC  
 TCCATTTTACCACAATCATCCACCACATCAGACTGGCCTTCCAGGAACATGTAAGTGCATTGACATATACT  
 GCCGTAGTCGAGGCGTCGTGGCAATACGGGACGGTGCCTATAGTCTTTTGATAACAGCAAGTAGTTGA  
 AGGCTTCTATCCTGCACCAGGATTAAGACTTTCTGAACATGTTTGTGATAGCAATCAAGATGCTCGG  
 AGAAGTCTGTAATGAGGATGATAACCTCCTTCTCCTATAGGAGGTGACATGATGGACTCTTAAATAT  
 CACAGCTCCAGCCACCTCAGCAACAGCCATTTCCAAAGCAGCCAGGGACATCAGGCGCTTACCCTCTAC  
 TTCACCCCTACATCCTATCACAGCACAGTTAATCAGTCCCCTCTATGATGCACACACAGTCCAGGA  
 AATCTGCATGCTGCCAGCTCCCCAGTGGGCTTTGAGAGCCCCATCACCAGCGTCATTTGTTCCAACCT  
 CCCCCCATCCTCGCATGGAATCTCAATAGGACCAGGGGCCAGTTTTGCTAGTCCACATGGAACCTTGA  
 CCCTAGTTCTCCATATACTATGGTGTCCACCAAGTGGACGAGCAGGAACTGGCCTGGGTACCTCAAGTG  
 TCCGGACCCTCACCAGCAACCCGTTTGCCTGGAATGTCACCAGCTAACCCATCTCTGCATTCTCCTGTT  
 CAGATGTTTCTCATTCTCCTCGAGCTGGCACAAGTCCCAGACAATGCCAACCAACATGCCTCCACCTCG  
 AAAACTACCTCAGCGCTCCTGGCAGCATCTATACCCACCATTCTCACTCATAGTGCCTGAAACATCTTA  
 CTGCTACCATCTCAACGCCAGGCTTGTGCCTGGCTGGCAGGTAGTTACCTTTGTTCCCCTGAGAG  
 GATTCTTGGATCTGTCATCATGAGACGACACCTTCAAAGAATCATCCAACAGGAAACGTTGCAGCTGAT  
 CAATCCAATGAACCTGGTGAATCATGTTCAAGACAGATGCCCTGAAATGCAGAGTAGCCCTTAGTCCC  
 AAAACCAACCAGACCCTCAGCTAAAAGTGACACCTGAAAATGCAGGACAATGGAACCCGATGAGCTTC  
 AAGTTTTGGAGAAATCTTCAAACAAGAGTTGCAGGACCGCCATTTAAAGCCAACACACTTATAGCCTT  
 CACCAAGCTGTTGGGAGCGCCGACACACATCCTCCGGACTGTGTGCATATAATGAAGTTGGAGTTGTT  
 CCAGATCAAGCAACGCAGCTGAAATGGAACGTTTCAGTTTTGCCTCACCATCCCTCCCAGCGCACCACAA  
 TTGCACCCTGGGACACCAGCTGTGGTCTGAAATCCAAATGCTATTTTTCTCAACTAACTCAGAA  
 AACATCAGTCCCTCCCCAAGAACCTGTTAGTATAATAGTTCCAATATTTATGATATGGCTCAGGTACC  
 ACTCAGCAGGCAGACATCCCAGACAGCAGAACTTCTGTTGCTGCGCCAATGATGGTCAGCAACATTC  
 TGAAGAGGTTTGACAGAGTGAACCTCCACGACAAGGTGAATGCACAATATTTGCAGCTGTTCTGTGATT  
 AATGGCTAATCTTACTGCCCCCTGGTGGCGTCCATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001048208  
**Insert Size:** 4380 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>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><a href="#">NM_001048208.1</a></u> , <u><a href="#">NP_001041673.1</a></u>
<b>RefSeq Size:</b>	6861 bp
<b>RefSeq ORF:</b>	4380 bp
<b>Locus ID:</b>	26896
<b>UniProt ID:</b>	<u><a href="#">A2ABV5</a></u>
<b>Cytogenetics:</b>	X A1.1
<b>Gene Summary:</b>	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 (By similarity). [UniProtKB/Swiss-Prot Function]