

## Product datasheet for RN207140

### Med24 (NM\_001034079) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Med24 (NM_001034079) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Med24
Synonyms:	Thrap4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207140 representing NM_001034079 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGTGGTGAACCTGAAGCAGGCCATTTTGAAGCCTGAAAGAGCGATGGAGTGAACCAATGGG  
CAATCAACATGAAAAAATCTTTCCAAAGGAGCCACCTGGGACATTCTCAACCTAGCAGAAGCACTCCT  
GGAGCAGGCCATGATTGGACCTCCCCTAATCCTCTTATCCTGTCTTACCTGAAGTACGCCATTAGTTCC  
CAGATGGTGTCTACTCCTCCGTGCTCACTGCCATCAGTAAGTTTGATGACTTTTCCGGGACCTGTGTG  
TCCAGGCTCTGTGGACATCATGGACATGTTTTGTGACCGACTCAGTTGCCACGGCAAAGCAGAGGAATG  
CATCGGGCTGTGCCGAGCGCTCCTCAGCGCCCTCCACTGGCTGCTGCGATGTACAGCGGCTTCTGCGGAG  
CGGCTCCAGGAAGGGCTGGAGGCTGGCAGTGCGGTCACTGGGGAGAAGCAGCTTGCCCTGTGCCTGCAAT  
GCCTGGAGAAGACCCTCAGCAGACCAAGAACCAGCCCTGCTGCACATCGCCAACTAGAGGAGGCCCTC  
CTCCTGGACTGCCATTGAGCATTGTCTTCTAAACTCGGGGAGATCCTGGCCAACCTCAGCAACCCCAA  
CTCCGGAGCCAGGCCGAGCATTGTGGCACACTCATCAGGAGCATCCCCACCATGCTGTCTGTGCACTCGG  
AGCAGCTGCACAAGACTGGCTTCCCCACCATCCATGCACTCATCTGCTTGAAGGACCATGAACCTGAC  
AGGCGAGATGCAGCCCTGGTGGAGCAGCTGATGATGGTGAAGCGCATGCAGCATATCCCCACACCTCTC  
TTTGTCTTGAGATCTGGAAGCTTGCTTTGTGGGACTCATTGAGTCCCCTGAAGGTACGCAGGAGCTGA  
AGTGGACGGCTTTCACCTATCTCAAGATTCACAGGTTTTGGTGAATTGAAGAAATATTTTCATGGAGA  
CAAGGACTTCACTGAGGATGTCAACTGTCTTTTGTGTTGAGTTCTGTTGAAGCTCACACCCTTGTGGACAAA  
GCTGACCAGCGTGAATTGTGACTGCACGAACCTCCTCCTCCAGGAGTGAACAAGCAGGGGCTTCTGT  
CTGAGGCCAGCTTTGCCAGCCTTGTGAGCAAGCGCACAGCAGATCGGGACCCCACTAAAATCATCAGA  
AAATGCTAACATCCAGCCTAATCCTGGACTGATCCTGCGGGCAGAGCCCACTGTTACAAACATTCTCAAG  
ACAATGGATGCGGATCACTCCAAGTCCCCGGAGGGTTGCTCGGGTCTGGGACACATGCTGTCTGGGA  
AGAGCCTGGACTTGTGTTGGCTGCTGCTGCCACTGGGAAGCTTAAATCCTTTGCCGGAAATTCAT  
CAATCTGAATGAGTTCACTACCCATGGCAGCGGAGAGACAAAAACAGCCTCAGTTCTGTCCTTGTCT



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TTTGACATCTCCTTCTCATGCTATGCCACGTGGCCAGACCTATGGCTCAGAGGTGATTCTCTCCGAGT  
 CAAGCTCAGGAGAAGAAGTCCCCCTTTTGGAGACCTGGATGCAGACCTGCATGCCTGAGGAGGGCAAGT  
 TTTGAACCCTGACCACCCTGCTTCCGGCTGACTCCACCAAAGTCGAGTCCCTGGTGGCCTTACTCAAC  
 AACTCCTCAGAGATGAAGCTAGTGCAGATGAAGTGGCATGAAGCCTGCCTGAGCATCTCAGCAGCCATTT  
 TGGAAATCCTCAACGCTTGGGAGAATGGGTTCTGGCCTTCGAGTCCATCCAGAAAATCACCGATAATAT  
 CAAGGGAAGGTATGCAGTCTGGCAGTGTGTGCTGGCTTGGCTTGTGGCCACGTCCGGATGCTGGGG  
 CTGGATGAGCGTGAGAAGTCACCTGCAGATGATCCGCCAGTTGGCAGGGCCATTGTACAGTGAGAACACGC  
 TGCAGTTCTACAATGAGAGGGTGGTATTATGAACTCAATCTTGAACACATGTGTGCGGACGTGCTACA  
 GCAGACAGCCACGCAGATCAAGTTTCCATCCACGGGCGTGGACACAATGCCCTACTGGAACCTGCTTCT  
 CCCAAGCGTCCCATCAAGGAGGACTGACAGACATCTTTGCCAAGGACTGGAGAAGGGCTGGTGGACA  
 GCCGCTCCATTACATCCTTGACACCCTGCTGCACATGGGTGGCGTCTACTGGTTCTGCAACAACCTGAT  
 TAAGGAACTGCTGAAGGAGACTCGCAAGGAGCACACGCTAAGGGCAGTTCAACTATTGACTCCATCTTC  
 TGTCTGGACATGCAACAAGTGACCCTGGTTCTGCTGGCCACATCCTGCCTGGGCTGCTTACTGACTCCT  
 CCAAGTGGCACAGCCTCATGGACCCTCCTGGCACCGCACTAGCCAAGCTAGCCGTTTGGTGTGCCCTGAG  
 TTCTTACTCTTCCACAAGGGACAGGCATCCTCACGCCAGAAGAAGGGCACAGAGAAGACATAGAGGAT  
 TATATCAGCCTCTCCCTGTGGAGGACATGCAGCCTTCAAAGCTTATGCGGCTCCTGAGCTCCAATGAGG  
 ATGATGCCAGCATCCTGTCAAGTCTACTGACCGCTCCATGAATAGCTCCCTCTCAGCTTCCCAGCTCCA  
 CACAGTCAACATGAGGGACCCTCTGAACCGAGTCTGGCCAACCTGTTCTCTGCTCATTTCCTCCGCTCTG  
 GGTTACAGCACCCTGGCCCCACACCCAGTTTGTGCAGTGGTTCATGGAGGAGTGTGTGGACTGCCTGG  
 AGCAGGACAGCAGGGGCAGCATTCTGCAGTTCATGCCCTTCACTACCGTATCAGAAGTGGTAAAGGTGTC  
 TGCTATGTCCAGCCCCAAGGTTGTTCTGGCCATCACAGACCTCAGCCTGCCCTGGGTGGCAGGTGGCT  
 GCCAAAGCCATCGCGGCACTC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001034079
- Insert Size:** 2964 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).
- 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\_001034079.1, NP\_001029251.1
- RefSeq Size:** 3357 bp
- RefSeq ORF:** 2964 bp

**Locus ID:** 619436

**UniProt ID:** [Q4V8B3](#)

**Cytogenetics:** 10q31

**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 (By similarity). [UniProtKB/Swiss-Prot Function]