

Product datasheet for **MC224361**

Med23 (NM_001166416) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med23 (NM_001166416) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Med23
Synonyms:	130kDa; 3000002A17Rik; Crsp3; ESTM7; mKIAA1216; Sur2; X83317
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224361 representing NM_001166416 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTACCGATGGAGACGCAACTGCAGAGCATTTTCGAGGAGGTGGTAAAACAGAAATTATAGAAGAGG
CCTTCCCAGGAATGTTTATGGATACCCCGAGGATGAAAAACAAAATAATTAGCTGCTTGGCGGCCTT
CCGGCAGTTTTGGAGTGGACTTCTCAGGAGTCTCATGAACAGTGTGTTCACTGGATTGTTAAATTTATT
CATGGCCAACACAGCCCCAAAAGAATTTCTTCTCTATGACTGCTTAGCAATGGCAGTTGAGACTGGTC
TCCTTCCACCCAGGATGGTTTGTGAATCTTTGATAAACTCTGACTCTCTTGAATGGGAAAAGAACACAGCT
TTGGGCCTTAACATTTAAGCTGGTTTCGGAAAATCATTGGAGGAGTGGATTACAAGGGTGTTCGAGACCTT
CTCAAAGCGATTTTGGAGAAAATCTTGACAATCCCAAATACAGTGAGCTCTGCTGTTGTCCAGCAGCTTC
TGGCAGCAAGAGAGGTTATAGCTTATATCTTAGAACGAAATGCCTGCCTATTGCCGGCCTACTTTGCAGT
CACAGAGATCAGAAAATATATCCTGAGGGAAAACCTCCACACTGGTTACTAGGAAACTTGGTATCAGAC
TTTGTGGATACCTTCAGGCCACAGCAAGGATTAACCCATTTGTGGCCGATGCAGTCTCTGCCAGTTG
TGAACAACTCGGGAGCCATCTGTAACCTCATGAACTGGACCCGCAACTCTGCGATTTCCCTTTGAAAGG
CCTTTTGGCATATGATAAGGATCTGTTTGAACCGCAGACTGCTTTGTTGAGATATGACTGGAGCAACCT
TATCCAGGGATATGGTCTGCAATATGCTAGGTTTAAATAAGCAGACCTTGAACATTGCTCAGCACAAGC
AGCGCTGCCCTGTGCTGGAGGACCAGTTGGTGGACCTGGTGGTGTACGCCATGGAGAGGTGAGAGCCGA
GGAGAAGTTTACGATGGGGAAACCAGCCAGCTCCTGTGGCAGCACCTTCCAGCCAGCTCATTTTCTTT
GTGCTTTTCCAGTTTCCAGTTTCCACATATGGTCTCTCTCCACCAGAAGTTAGCAGGGCGAGGAC
TGATTAAGGGCGAGACCATCTGATGTGGGTGCTGCTGCAGTTTCATTTCTGGAAGTATTCAGAAAAATGC
CCTCGTACTTCTCCCTGTCATGAAGCTCTTTGACCTGCTGTACCCGAGAAGGAGTGTATCCCAGTT
CCTGATATTAACAAACCCAGTCAACGCACGCCTTTGCAATGACTTGTATTTGGATTTCATCTTAATAGAA
AAGCTCAAATGGCGACTCCACGCTCCAGATCCCAATACCCATTCCCTGAAGCTGCACCATGAGTTCT
CCAGCAGAGTCTGAGAAATAAAGCTTACAGATGAATGACTATAAGATTGCCCTGCTATGTAACCGGTAT
TCCACAACTCAGAGTGTTTTACGTTACCTATGGGAGCTCTGGTGAAGAACTTTTATGAAATGGAATTA



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TGAGAGTGCCTCTCCCTGGAACGAGCTGTTTGGCCTCAGCATCAGTGACTCCCTTACCGATGAACCTCCT
 GGATTCAGTACGGTGCATGCCAAGATGAGCCTTATTCACAGCATTGCAACCAGAGTGATAAACTGGCT
 CATACGAAATCCAGTGTTCGCTGGCTCCAGCCCTAGTGGAACTTACAGCCGTTTACTGGTCTACATGG
 AAATTGAGTCTTTGGGCATCAAAGGATTTATCAGTCAGCTCCTGCCACTGTCTTCAAGTCCCACGCCTG
 GGGCATCTGCACACTGCTGGAGATGTTTCAGCCACCGAATGCACCACATTAGCCCACTACCGAGTT
 CAGTCCCTGAGCCATCTCCACACTGGCTGCAGTCGCACAGACCAACCAGAACCAGTCCATCTGTGTG
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 CCTCAATGATCCCAAACAGTGCTGTCCGCCAATCTGAAGAGCTGAACCGAGCCTTGATCCTGACCTTA
 GCCAGAGCAACCCACGTCACAGATTTTTTACAGGATCTGATTCAATACAGGAACTTGGTGTAAAGATA
 TCCTTCAGACCATCATGAACTTTACTCCTCATAACTGGGCTTCACATACCCTTAGCTGTTTTCCAGCCCC
 TCTGCAGGCTTTCTTCAAGCAAATAACGTGCCAGGAAAGCCGTTTTAATCTGAAGAAGAATGTGAA
 GAAGAGTACAGGAAGTGAAGTCAATGACTGATGAAAACGAGATCATCACCAGTTCTCTGTGCAGGGCT
 TCCCTCCACTCTCTCTGTCTCCTCTGGAAGATGCTCCTGGAGACGGATCATATTAGTCAGATCGGCTA
 CAAGGTCTGGAGAGGATTGGGGCCAGGGCCCTGGTGGCCATGTGAGAACATTTGCAGATTTCTGGTG
 TATGAGTTCTCTACGTCAGCAGGAGGTCAGCAACTCAATAAGTGCATTGAAATCTCAACGACATGGTGT
 GGAAGTACAACATTGTCACGCTGGACAGACTCATTCTCTGCCTGGCTATGCGTAGTCATGAAGGAAATGA
 AGCCCAGGTTTGTATTTTCATAATTCAGTTGCTGTTGCTCAAACCAAATGACTTCAGAAACCGAGTAAGT
 GACTTTGTGAAGGAGAATTTCCAGAGCACTGGCTCCAGAGTACTGGCACACCAAGCACATGAGCTACC
 ACAAGAAATATCCCGAGAAGCTGATTTTGAAGCCCTGGCAGAGCAGGTTGACCCCTCTGTACCAATCCA
 GTCCCCCTATCTGCCATCTACTTTGAAAATGTGTGTCTCCGGTTCCTCCAGTATTTGATATAGTAATC
 CACAGGTTTTAGAGTTGCTTCCAGTGTCCAAATCACTAGAGACTCTCCTGGATCACCTAGGGGGCTTAT
 AATAATCCATGACCGCCAGTGACTTATCTGTATAAATACTTTGCACTATTATGAAATGTGCCTGAGAAA
 CCGTGACCATCTCAAACGAAAACCTGTCCATGCAATCATTGGCTCCCTCAAAGATAACCGCCACAGGGC
 TGGTGTCTCAGTGATACCTACCTGAAGCATGCTATGAATGCACGGGAGGACAACCCCTGGGTTCCGGAGG
 ACTCCTACTACTGCAAGCTGATTGGCCGACTGGTAGACACCATGGCGGGCAAGTCTCCAGGACCCCTCCC
 AAAGTGTGACTGGAGATTCAATGAGTTTCCAACCCCGCTGCCACGCTCTGCATGTGACGTGTGTGAA
 CTCATGGCCTTGGCGGTTCCAGGCAAAGATGTGGGAATGCCCTTCTCAATGTCGTCCTGAAAAGCCAGC
 CCTTAGTGCCAAAGGAGAACATTACAGCGTGGATGAATGCAATTGGTCTGATCATCACGGCCCTCCAGA
 GCCGACTGGATTGTGCTTCATGACCGAATTGTGAATGTGATCAGCAGTTCTAGCCTGACGTGAGAGACA
 GAGTGGTCCGTTACCCGTTCCGCTCTTCGACTTCACCGTTGTACCAGTCTACTCGGAGATGAGCT
 GCAGCTATACGTTAGCTTAGCCATGCCGTGTGGCACCCTCCAGCATCGGGCAGCTCTCGCTTATCCC
 AAAGTTTCTCACTGAGGCGCTTCTCCCGTGGTGAAGACTGAGTTCAGTTGCTCTACGTGTACCATCTT
 GTGGGGCCATTTCTACAGAGGTTCCAACAGGAGAGAACCCTGGTGCATGATTGAGATTGGCGTGGCATT
 ATGACATGCTGTTGAATGTAGACCAGTGCAGCACGCACTTAAATTACATGGACCCCATCTGCGACTTCT
 GTATCATATGAAGTATATGTTTACTGGTGACAGTGTGAAAAGAGCAAGTAGAGAAGATTATCTGTAATTTA
 AAGCCGGCTTTAAAGCTTCGCTTCGATTATCACGCACATTAGCAAGATGGAGCCGGCAGTGCCACCCC
 AGGCCCTCAACAGCGGGTCTCCAGCACCTCAGTCTAACAGGTGCCAGCATCTCTGCCGGTGACTCAGTG
 A

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001166416

Insert Size:

4131 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:	<ol style="list-style-type: none">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:	<u>NM_001166416.1</u> , <u>NP_001159888.1</u>
RefSeq Size:	4946 bp
RefSeq ORF:	4131 bp
Locus ID:	70208
UniProt ID:	<u>Q80YQ2</u>
Cytogenetics:	10
Gene Summary:	<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 pre-initiation complex with RNA polymerase II and the general transcription factors (By similarity). Also required for transcriptional activation subsequent to the assembly of the pre-initiation complex. Required for transcriptional activation by adenovirus E1A protein. Required for ELK1-dependent transcriptional activation in response to activated Ras signaling. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>