

Product datasheet for **MC224351**

Med23 (NM_027347) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med23 (NM_027347) 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:	>MC224351 representing NM_027347 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGTACCGATGGAGACGCAACTGCAGAGCATTTTCGAGGAGGTGGTAAAACAGAAATTATAGAAGAGG
CCTTCCCAGGAATGTTTATGGATACCCCGAGGATGAAAAACAAAATAATTAGCTGCTTGGCGCCTT
CCGGCAGTTTTGGAGTGGACTTCTCAGGAGTCTCATGAACAGTGTGTTCACTGGATTGTTAAATTTATT
CATGGCCAACACAGCCCCAAAAGAATTTCTTCTCTATGACTGCTTAGCAATGGCAGTTGAGACTGGTC
TCCTTCCACCCAGGATGGTTTGTGAATCTTTGATAAACTCTGACTCTCTTGAATGGGAAAAGAACACAGCT
TTGGGCCTTAACATTTAAGCTGGTTTCGAAAAATCATTGGAGGAGTGGATTACAAGGGTGTTCGAGACCTT
CTCAAAGCGATTTTGGAGAAAATCTTGACAATCCCAAATACAGTGAGCTCTGCTGTTGTCCAGCAGCTTC
TGGCAGCAAGAGAGGTTATAGCTTATCTTAGAACGAAATGCCTGCCTATTGCCGCCTACTTTGCAGT
CACAGAGATCAGAAAATATATCCTGAGGGAAAATCCACACTGGTTACTAGGAAAATGGTATCAGAC
TTTGTGGATACCTTCAGGCCACAGCAAGGATTAACCTCATTTTGTGGCCGATGCAGTCTTCTGCCAGTTG
TGAACAACCTCGGAGCCATCTGTAACCTCATGGAACCTGGACCCTGCAACTCTGCGATTTCTTTGAAAGG
CCTTTTGCATATGATAAGGATCTGTTTGAACCGCAGACTGCTTTGTTGAGATATGACTGGAGCAACCT
TATCCAGGGATATGGTCTGCAATATGTAGGTTTAAATAAGCAGCACAAAGCAGCGCTGCCCTGTGCTGG
AGGACCAGTTGGTGGACCTGGTGGTGTACGCCATGGAGAGGTCAGAGACCAGGAGAAGTTTGACGATGG
GGGAACCAGCCAGCTCCTGTGGCAGCACCTTCCAGCCAGCTCATTTTCTTTGTGCTTTTCCAGTTTGGC
AGTTTCCACATATGGTCTCTCTCCACCAGAAGTTAGCAGGGCGAGGACTGATTAAGGGCGAGACC
ATCTGATGTGGGTGCTGCTGCAGTTCATTTCTGGAAGTATTCAGAAAAATGCCCTCGCTGACTTCTCCTCC
TGTCATGAAGCTCTTTGACCTGCTGTACCCGGAGAAGGAGTGTATCCAGTTCCTGATATTAACAAACCC
CAGTCAACGCACGCCCTTTCGAATGACTTGATTTGGATTATCTTAATAGAAAAGCTCAAATGGCGACT
CCACGCTCCAGATCCCAATACCCATTCCCTGAAGCTGCACCATGAGTTCCTCCAGCAGAGTCTGAGAAA
TAAAAGCTTACAGATGAATGACTATAAGATTGCCCTGCTATGTAAACGCGTATTCCACAAACTCAGAGTGT
TTTACGTTACCTATGGGAGCTCTGGTAGAACTATTTATGAAAATGGAATTATGAGAGTGCCTCTCCCTG



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GAACGAGCTGTTTGGCCTCAGCATCAGTGACTCCCTTACCGATGAACCTCCTGGATTCACTGACGGTGCA
 TGCCAAGATGAGCCTTATTCACAGCATTGCAACCAGAGTGATAAACTGGCTCATACGAAATCCAGTGTT
 GCGCTGGCTCCAGCCCTAGTGGAACTTACAGCCGTTTACTGGTCTACATGGAAATTGAGTCTTTGGGCA
 TCAAAGGATTTATCAGTCAGCTCCTGCCACTGTCTTCAAGTCCCACGCCTGGGGCATCCTGCACACACT
 GCTGGAGATGTTACGCCACCGAATGCACCACATTCAGCCCCACTACCGAGTTCAGCTCCTGAGCCATCTC
 CACACACTGGCTGCAGTCGCACAGACCAACCAGAACCAGCTCCATCTGTGTGTGGAGAGCACTGCCTGA
 GGCTCATCACAGCCCTGGGAAGCTCAGAGGTCAGCCGAGTTCACCGGTTTCCCTCAATGATCCCAAAC
 AGTGCTGTCCGCCGAATCTGAAGAGCTGAACCGAGCCTTGATCCTGACCTTAGCCAGAGCAACCCACGTC
 ACAGATTTTTTACAGGATCTGATTCAATACAGGGAACCTGGTGTAAAGATATCCTTCAGACCATCATGA
 ACTTTACTCCTCATAACTGGGCTTACATAACCCTTAGCTGTTTTCCAGCCCTCTGCAGGCTTTCTTCAA
 GAAAAAATACGTGCCAGGAAAGCCGTTTTAATCTGAAGAAGAATGTGGAAGAAGAGTACAGGAAGTGG
 AAGTCAATGACTGATGAAAACGAGATCATCACCGATTCTCTGTGCAGGGCTTCCCTCCACTTCTCTCT
 GTCTCCTCTGGAAGATGCTCCTGGAGACGGATCATATTAGTCAGATCGGTACAAGTCTGGAGAGGAT
 TGGGGCCAGGGCCCTGGTGGCCATGTGAGAACATTTGCAGATTTCTGGTGTATGAGTCTCTACGTCA
 GCAGGAGTTCAGCAACTCAATAAGTGCATTGAAATTCTCAACGACATGGTGTGGAAGTACAACATTGTCA
 CGCTGGACAGACTCATTCTCGCTGGCTATGCGTAGTCATGAAGGAAAATGAAGCCAGGTTTGTATTT
 CATAATTCAGTTGCTGTTGCTCAAACCAATGACTTCAGAAAACCGAGTAAGTGACTTTGTGAAGGAGAAT
 TCCCCAGAGCACTGGCTCCAGAGTGACTGGCACACCAAGCACATGAGCTACCACAAGAAATATCCCGAGA
 AGCTGTATTTGAAGGCCTGGCAGAGCAGGTTGACCCTCCTGTACCAATCCAGTCCCCTTATCTGCCAT
 CTACTTTGAAATGTGTGCTCCGGTTCCTTCCAGTATTTGATATAGTAATCCACAGGTTTTAGAGTTG
 CTTCCAGTGTCCAAATCACTAGAGACTCCTGGATCACCTAGGGGGCTATATAAATCCATGACCGGC
 CAGTGACTTATCTGTATAATACTTTGCACTATTATGAAATGTGCCTGAGAAAACCGTACCATCTCAAACG
 AAAAATGTCCATGCAATCATTGGCTCCCTCAAAGATAACCGGCCACAGGGCTGGTGTCTCAGTGATACC
 TACCTGAAGCATGCTATGAATGCACGGGAGGACAACCCCTGGGTTCGGGAGGACTCCTACTACTGCAAGC
 TGATTGGCCGACTGGTAGACACCATGGCGGCAAGTCTCCAGGACCCTTCCCAAACGTGACTGGAGATT
 CAATGAGTTTCCAAACCCGCTGCCACGCTCTGCATGTGACGTGTGTGGAACCATGGCCTTGCGGTT
 CCAGGCAAAGATGTGGGGAATGCCCTTCTCAATGTCTGCTGAAAAGCCAGCCCTTAGTGCCAAGGGAGA
 ACATTACAGCGTGGATGAATGCAATTGGTCTGATCATCACGGCCCTCCAGAGCCGACTGGATTGTGCT
 TCATGACCGAATTGTGAATGTGATCAGCAGTCTAGCCTGACGTGAGAGACAGAGTGGTTCGGTTACCCG
 TTCCGCTCTTCGACTTACCCTGTGCACAGTCTACTCGGAGATGAGCTGCAGCTATACGTTAGCTC
 TAGCCCATGCCGTGTGGCACCCTCCAGCATCGGGCAGCTCTCGTTATCCCAAAGTTTCTCACTGAGGC
 GCTTCTCCCGTGGTGAAGACTGAGTTCAGTTGCTCTACGTGTACCATCTGTGGGGCCATTTCTACAG
 AGGTTCCAACAGGAGAGAACCCGGTGCATGATTGAGATTGGCGTGGCATTATGACATGCTGTTGAATG
 TAGACCAGTGCAGCAGCACTTAAATTACATGGACCCATCTGCGACTTCTGTATCATATGAAGTATAT
 GTTTACTGGTGACAGTGTGAAAGAGCAAGTAGAGAAGATTATCTGTAATTTAAAGCCGGCTTTAAAGCTT
 CGTCTTCGATTTCACGCACATTAGCAAGATGGAGCCGGCAGTGCCACCCAGGCCCTCAACAGCGGGT
 CTCACGACCTCAGTCTAACCAGGTGCCAGCATCTCTGCCGGTGAAGTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:

NM_027347

Insert Size:

4113 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:	NM_027347.3 , NP_081623.3
RefSeq Size:	4928 bp
RefSeq ORF:	4113 bp
Locus ID:	70208
UniProt ID:	Q80YQ2
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 (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p> <p>CCDS Note: The coding region has been updated to extend the N-terminus to one that is supported by available conservation data.</p>