

Product datasheet for **MR222479**

Med1 (NM_134027) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med1 (NM_134027) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med1
Synonyms:	AI480703; CRSP210; DRIP205; I11Jus15; PBP; Pparbp; TRAP220
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222479 representing NM_134027
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGGCTCAGGGGAAACCGAGGACTCAGAGAGGCTGAGTAAGATGAGCTCCCTCCTGGAACGGCTCC
 ATGCAAAATTTAACCAGAACAGACCTTGGAGTGAAACCATTAAGCTTGTGCGTCAAGTAATGGAGAAGAG
 GGTGCGTAATGAGTCTGGAGGGCATCAGCATTTGGTCAGCTGTTGGAGACATTGCAAGAAGGCTCTCAAA
 GTAACATCTTTGCCAGCAATGACTGATCGTTTGAATCTATAGCCAGACAGAATGGACTGGGCTCTCACC
 TCAGTGCCAGTGGCACTGAGTGTACATCACGTGAGATATGTTCTATGTGGAAGTGCAGTTAGATCCTGC
 AGGACAGCTTTGTGATGTCAAAGTGCTCACCATGGGGAGAATCCTGTGAGCTGTCCAGAGCTTGTACAG
 CAGTTAAGGGAAAAGAATTTTGGAGAAATTTCCAAGCATCTTAAGGGTCTGTTAATCTGTATAATCTCC
 CAGGGGACAACAACTGAAGACTAAAATGTATCTGGCTCTCCAATCCTTAGAACAGGACCTTTCTAAAAT
 GGCTATTATGACTGGAAGGCAACCAACGCCGCTCCCTTGATAAGATTCTTCATGGAAGTGTGGTTAT
 CTCACCCCGGGAGTGGGGGTCAATTAATGAATATGAAATACTATGCCTCTCCATCTGACCTGCTGGATG
 ATAAGACTGCCTCTCCTATCATTTTGCATGAAAAGAATGTTCTCGGTCTTTGGGAATGAATGCCTCAGT
 GACAATGAAGGAACCTCTGCTATGTACAACTCCCAATTGCCCATTAATTATGGGGTACACCCAGCT
 GACAACAAATGGACCCCTTTCTCCGAGTCACTAGTGCCAACAGTGTGATCTTCTGCGTGTTTCT
 TCTTGAATTTCCCAGCCAATTCAGTATCTAAAGCATTTGTTGAGAACTGCAAAATTCACAGGAAT
 CCCGTTGTTGAGACTCCGCCACTTACCTGCCCTGTATGAACTCATCACTCAGTTTGAAGTGTCAAAG
 GATCCTGACCCCTTACCTTTGAATCACACATGCGATTTACGCTGCTCTCCAGGTGAGCAGCACTGCT
 ATTTTCTCAATAAAGATGCTCCTCTTCTGATGGTCAGAGCCTGCAGGGAACACTGGTCAGCAAAATCAC
 CTTCAGCACCCCTGGCCGAGTTCCTCTTATCTTGAATATGATCAGACACCAAGTGGCCTATAACACTCTA
 ATTGGAAGCTGTGTCAAAGAAGTATTTTAAAAGAAGATTCTCCTGGGCTCCTCCAGTTTGAAGTGTGTC
 CTCTCTCAGAATCTCGTTCAGTGTATCTTTTACGACCCTGTGAATGACTCCCTTGTGTGTGGTGTGAT
 GGATGTGCAAGACTCAACACATGTGAGCTGAACTCTACAAGGGGCTGTGAGTGCCTAATCTGTACA
 GACGACTTCATTGCCAAAGTTGTTCAAAGATGTATGTCCATTCTGTGACGATGAGGGCTATTCGGAGGA
 AGGCTGAAACCATACAGGCTGACACCCAGCACTGTCTCTCATTGCAGAGACAGTTGAAGACATGGTGAA
 AAAGAACCTGCCCCGGCTAGCAGCCAGGATCAAAGAATCCCGAGTTAGGATCTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222479 representing NM_134027
 Red=Cloning site Green=Tags(s)

MKAQGETEDSERLSKMSLLERLHAKFNQRPWSETIKLVRQVMEKRVVMSSGGHQHLVSCLETLQKALK
 VTSLPAMTDRLSIRQNLGSHLSASGTECYITSDMFYVEVQLDPAGQLCDVKVAHHGENPVSCPQLVQ
 QLREKNFEFESKHLKGLVNLNLPDGNLKTMYLALQSLEQDLKMAIMYWKATNAAPLKDILHGSVGY
 LTPRSGGHLNMKYYASPSDLLDDKTASPIILHEKNVPRSLGMNASVTIEGTSAMYKLPDIAPLIMGSHA
 DNKWTSPSFAVTSANSVDLPACFFLKFPQPIPVSKAFVQKLQNCCTGIPLFETPPTYLPLVELITQFELSK
 DPDPLPLNHNMRFYAALPGQHCYFLNKDAPLDPGQSLQGTLSKITFQHPGRVPLILNMRHQVAYNTL
 IGSCVKRTILKEDSPGLLQFEVCPLESERFSVSFQHPVNDLSVCVMDVQDSTHVSCKLYKGLSDALICT
 DDFIAKVVRQCMSIPVTMRAIRKAETIQADTPALSLIAETVEDMVKKNLPPASSPGSKNPELGSG

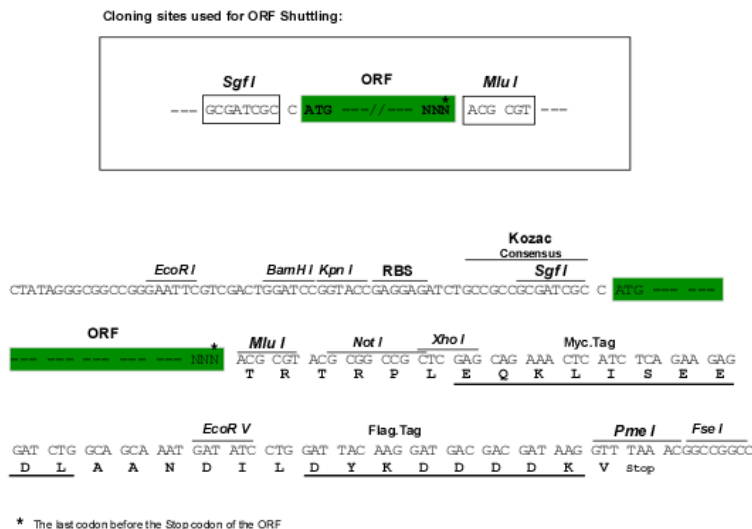
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9039_d04.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_134027

ORF Size: 1668 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_134027.2](#), [NP_598788.2](#)

RefSeq Size: 2822 bp

RefSeq ORF: 1671 bp

Locus ID: 19014

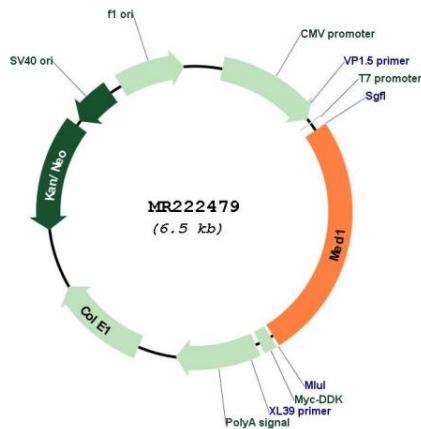
UniProt ID: [Q92519](#)

Cytogenetics: 11 61.75 cM

MW: 62 kDa

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. Essential for embryogenesis, including development of the central nervous system, heart, liver and placenta and for erythropoiesis. Also required for normal transcriptional control of thyroid-stimulating hormone beta (TSHB) in the pituitary. Acts as a coactivator for GATA1-mediated transcriptional activation during erythroid differentiation of K562 erythroleukemia cells (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222479