

Product datasheet for **RG202663**

MED4 (NM_014166) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED4 (NM_014166) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MED4
Synonyms:	ARC36; DRIP36; HSPC126; TRAP36; VDRIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202663 representing NM_014166 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCGTCTTCGAGTGGTGAGAAGGAGAAGGAGCGGCTGGGAGGCGGTTTGGGAGTGGCGGGTGGTA
ACAGCACACGAGAGCGGCTGCTGTCTGCGCTTGAGGACTTGAGGTCCTGTCTAGGGAACCTATAGAAAT
GCTGGCAATTTCAAGAAACCAGAAGTTGTTACAGGCTGGAGAGGAAAACAGGTCCTGGAGTTGTTAATT
CACCGAGATGGGGAATTTCAAGAACTAATGAAATTGGCACTTAATCAGGGAAAAATTCATCATGAAATGC
AAGTTTTAGAAAAAGAAGTAGAGAAGAGAGACGGTGATATTCAGCAGCTACAAAAACAGCTAAAGGAAGC
AGAACAAATACTGGCAACAGCTGTTTACCAAGCGAAGGAGAACTCAAGTCAATAGAAAAAGCAAGAAAA
GGTGCTATCTCCTCTGAAGAAATAATTAAGTATGCACATAGGATCAGTGCAAGTAATGCTGTATGTGCTC
CACTGACCTGGGTTCCAGGGGACCCCGGAGACCTACCCAAGTATTTAGAGATGAGAAGTGGGTTACT
GGGTCAGATGAACAATCCTTCCACTAATGGCGTGAATGGCCATTTACCAGGAGATGCACTTGCAGCAGGA
AGATTGCCAGATGTCCTTGCTCCACAGTATCCATGGCAGTCAAATGACATGTCGATGAATATGTTACCAC
CAAATCATAGTAGTGACTTTTTGTTGGAACCTCCTGGGCATAATAAAGAAGATGAAGATGATGTAGAGAT
TATGTCAACGGACTCCTCAAGCAGTAGTAGTGAGTCTGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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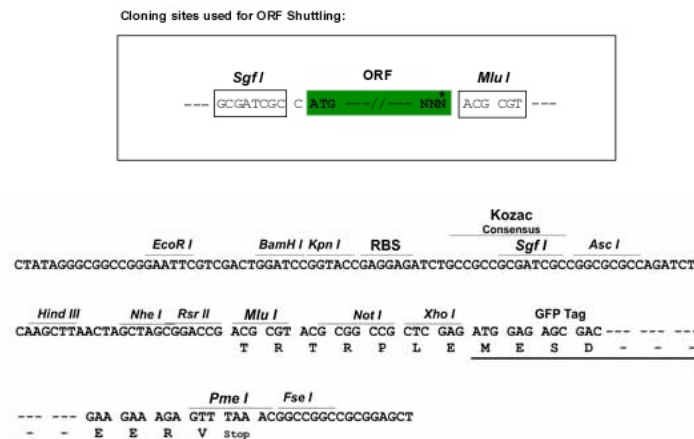
Protein Sequence: >RG202663 representing NM_014166
 Red=Cloning site Green=Tags(s)

MAASSSGEKEKERLGGGLGVAGGNSTRERLLSALEDLEVL SRELIEMLAISR NQKLLQAGEENQVLELLI
 HRDGEFQELMKLALNQGIHHEMQVLEKEVEKRDGDIQQLKQLKEAEQILATAVYQAKEKLKSIEKARK
 GAISSEIIKYAHRISASNAVCAPLTWVPGDPRRPYPTDLEMRSGLLGQMNNPSTNGVNGHLPGDALAAG
 RLPDVLAPQYPWQSNDSMNMLPPNHSSDFLLEPPGHNKEDEDDVEIMSTDSSSSSES

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014166

ORF Size: 810 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014166.2](#), [NP_054885.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 813 bp

Locus ID: 29079

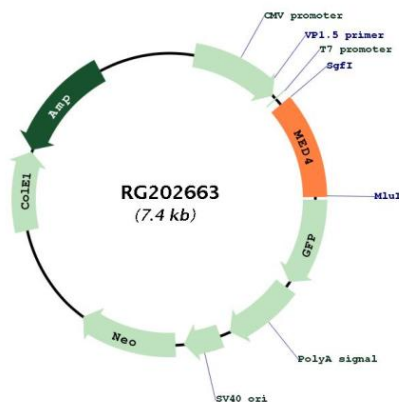
UniProt ID: [Q9NPJ6](#)

Cytogenetics: 13q14.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a component of the Mediator complex. The Mediator complex interacts with DNA-binding gene-specific transcription factors to modulate transcription by RNA polymerase II. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG202663