OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC211226

MED9 (NM_018019) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED9 (NM_018019) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED9
Synonyms:	MED25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC211226 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCTCTGCTGGGGTGGCAGCCGGGCGACAGGCGGAGGATGTATTGCCGCCAACGTCCGACCAGCCGC
TGCCTGACACCAAGCCGCTGCCGCCTCCTCAGCCGCCGCCGGTCCCTGCGCCTCAACCGCAGCAGTCGCC
GGCGCCACGGCCTCAGTCACCTGCCCGCGCGAGGGAGGAAGAGAACTACTCCTTTTTACCTTTGGTTCAC
AACATCATCAAATGCATGGACAAGGACAGCCCGGAGGTCCACCAGGACCTGAACGCCCTCAAAAGCAAGT
TCCAGGAGATGCGCAAGCTCATCAGCACCATGCCCGGCATCCACCTGAGCCCCGAACAGCAGCAGCAGCA
GCTGCAGAGCCTCCGGGAGCAAGTCAGGACCAAGAATGAGCTTCTGCAAAAGTACAAGAGCCTCTGCATG
TTCGAAATCCCCAAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211226 protein sequence
Red=Cloning site Green=Tags(s)

MASAGVAAGRQAEDVLPPTSDQPLPDTKPLPPPQPPPVPAPQPQQSPAPRPQSPARAREEENYSFLPLVH
NIIKCMDKDSPEVHQDLNALKSKFQEMRKLISTMPGIHLSPEQQQQQLQSLREQVRTKNELLQKYKSLCM
FEIPKE

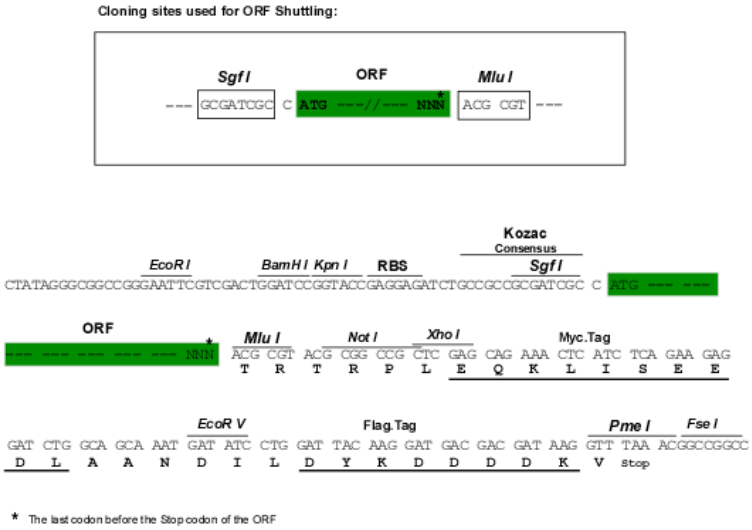
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6369_e12.zip

View online »

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018019

ORF Size: 438 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_018019.3

RefSeq Size: 2222 bp

RefSeq ORF: 441 bp

Locus ID: 55090

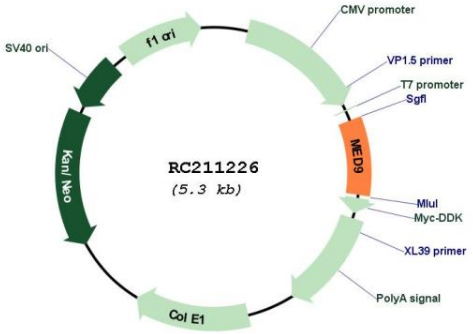
UniProt ID: Q9NWA0

Cytogenetics: 17p11.2

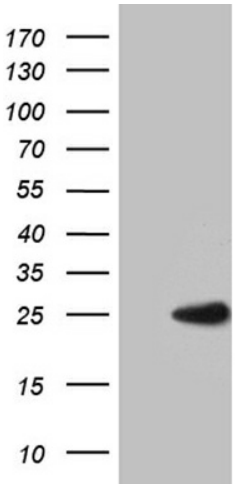
MW: 16.4 kDa

Gene Summary: The multiprotein Mediator complex is a coactivator required for activation of RNA polymerase II transcription by DNA bound transcription factors. The protein encoded by this gene is thought to be a subunit of the Mediator complex. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

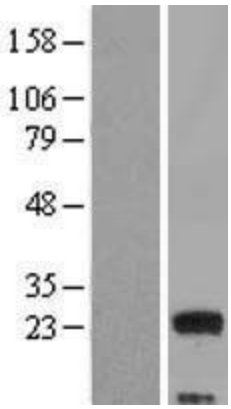
Product images:



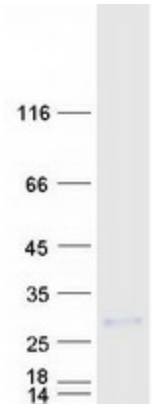
Circular map for RC211226



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MED9 (Cat# RC211226, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MED9(Cat# [TA811891]). Positive lysates [LY413384] (100ug) and [LC413384] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY413384]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211226 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MED9 protein (Cat# [TP311226]). The protein was produced from HEK293T cells transfected with MED9 cDNA clone (Cat# RC211226) using MegaTran 2.0 (Cat# [TT210002]).