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Product datasheet for MR200914

Med9 (NM_138675) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med9 (NM_138675) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med9
Synonyms:	BC019367; Med25
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR200914 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTCCTCTGGGGTGGCGGGTGGGAGACAGGCCGAAGATACGCTACAGCCACCGCCCGAGCTGCTGC
CGGAGTCCAAGCCGCCACCACCGCCTCAGCCTCTGCCGGTCGCTGCGCTCCCGCCGCCGGCGGCTCCGCG
GCCTCAGTCCCCCGCTGGCGCGAAGGAGGAGAATTACTCCTTTTTGCCGTTGGTTCACAATGTCATCAAA
TGCATGGACAAGGACAGCCCGGATCTCCACCAGGACCTGAACGCCCTCAAAACCAAGTTCCAGGAGCTGC
GGAAGCTCATCGGCACCATGCCCGGCATCCACGTGAGCCCCGAGCAGCAGCAGCAGCAGCTCCACAGCCT
CCGAGAGCAAGTGAGGACCAAGAACGAGCTGCTGCAGAAGTACAAGAGCCTCTGCATGTTTGAGATCCCC
AAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR200914 protein sequence
Red=Cloning site Green=Tags(s)

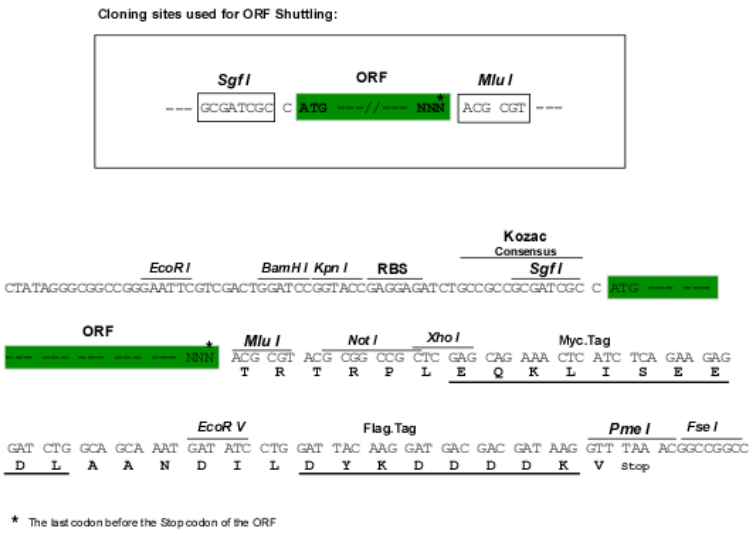
MASSGVAGGRQAEDTLQPPPELLPESKPPPPPQPLPVAALPPPAAPRPQSPAGAKEENYSFLPLVHNVIK
CMDKDSPDLHQDLNALKTKFQELRKLIGTMPGIHVSPEQQQQQLHSLREQVRTKNELLQKYKSLCMFEIP
KD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_138675

ORF Size: 429 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_138675.3, NP_619616.2

RefSeq Size: 3013 bp

RefSeq ORF: 429 bp

Locus ID: 192191

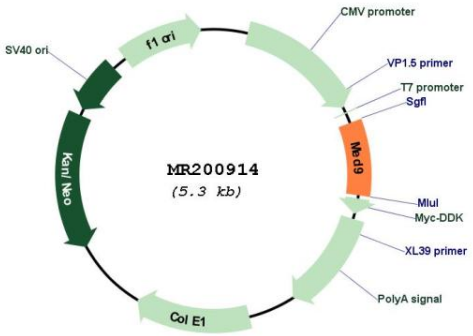
UniProt ID: Q8VCS6

Cytogenetics: 11 B1.3

MW: 15.7 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 (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200914