

Product datasheet for **MR216217**

Med8 (NM_173719) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Med8 (NM_173719) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Med8
Synonyms: 2210021A15Rik; AB041805; ARC32
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216217 representing NM_173719
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGAGGGAGGAGAAGCAGCTTGAGGCATCATTAGATGCCCTGCTGAATCAAGTGGCCGATCTGAAGA
ATTCACTGGGGAGTTTCATTTACAAGTTGGAAAACGAGTATGACCGGCTGACCTGCAAATCTGGTTCTTG
CCTATGCCAGACACAGGGCTGCGAGTCTTCGGGGCCCTGTCTGGACAGCTTTCATTGCTTTCTGGA
CAGTTGAACACTCTGAACAAGGTCTTAAAGCATGAGAAGACGCCACTGTTCCGAAACCAGGTCATCATCC
CTCTGGTGTGTCCCAGACCGAGACGAAGACCTCATGCGTCAAACCTGAAGGACGAGTGCCTGTTTTTCAG
CCATGAGGTGTTCTTGACCACTTGAGAACCAAGCCTGACCCTGAAGTTGAAGAGCAGGAGAAGCAGCTG
ACAACAGATGCTGCCAGAATTGGTGTGATGCAGCTCAGAAGCAGATCCAGAGCTTGAATAAAATGTGCT
CAAACCTTTTAGAGAAAAATCAGCAAAGAAGAACGAGAATCAGAGAGCGGAGGTCTCCGGCCAAACAAGCA
GACTTTCAACCCTGGAGACCAATGCCTTAGTAGCAGCCGTTGCCTTTGGGAAGGGGCTATCTAATTGG
CGACCTTCAGGGAAAATGCCAAGTGAATAAAAACCAACATCAAGTCAGCTTCAATGCATCCGTACCAGC
GG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216217 representing NM_173719
Red=Cloning site Green=Tags(s)

MQREEKQLEASLDALLNQVADLKNSLGSFIYKLENEYDRLTCKSGSCLCQTQGCSSGSPVLDSFALLSG
 QLNTLNKVLKHEKTPLFRNQVIIPLVLPDRDELMRQTEGRVPVFSHEVVPDHLRTKPDPEVEEQEKQL
 TTDAARIGADAAQKQIQSLNKMCSNLLLEKISKEERESESGGLRPNKQTFNPGDTNALVAAVAFGKGLSNW
 RPSGKMPSGIKTNIKSASMPYQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_173719

ORF Size: 702 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_173719.3](#)

RefSeq Size: 1743 bp

RefSeq ORF: 705 bp

Locus ID: 80509

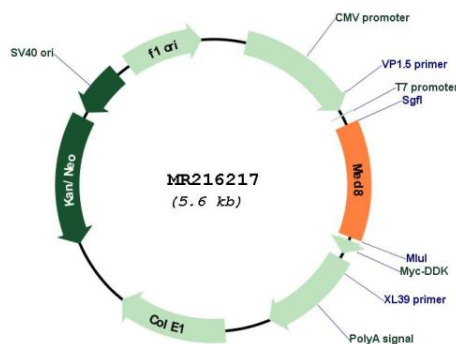
UniProt ID: [Q9D7W5](#)

Cytogenetics: 4

MW: 26.4 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. May play a role as a target recruitment subunit in E3 ubiquitin-protein ligase complexes and thus in ubiquitination and subsequent proteasomal degradation of target proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216217