

Product datasheet for **RC204304**

MED28 (NM_025205) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MED28 (NM_025205) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MED28
Synonyms: 1500003D12Rik; EG1; magicin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC204304 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGCTCCACTAGGGGGTATGTTTTCTGGGCAGCCACCCGGTCCCCCTCAGGCCCGCCGGGCCTTC
CGGGCCAAGCTTCGCTTCTTCAGGCAGCTCCAGGCGCTCTAGACCTCCAGCAGTACTTTGGTGGACGA
GTTGGAGTCATCTTCGAGGCTTCTTTGCATCTCTGGTGAGTCAGGACTATGTCAATGGCACCGATCAG
GAAGAAATTCGAACCGGTGTTGATCAGTGTATCCAGAAGTTTCTGGATATTGCAAGACAGACAGAATGTT
TTTTCTTACAAAAAGATTGCAGTTATCTGTCCAGAAACCAGAGCAAGTTATCAAAGAGGATGTGTGAGA
ACTAAGGAATGAATTACAGCGGAAAGATGCACTAGTCCAGAAGCACTTGACAAAGCTGAGGCATTGGCAG
CAGGTGCTGGAGGACATCAACGTGCAGCACAAAAAGCCCGCCGACATCCCTCAGGGCTCCTTGGCCTACC
TGGAGCAGGCATCTGCCAACATCCCTGCACCTCTGAAGCCAACG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204304 protein sequence
Red=Cloning site Green=Tags(s)

MAAPLGGMFSGQPPGPPQAPPGLPGQASLLQAAPGAPRPSSTLVDELESSFEACFASLVSQDYVNGTDQ
EEIRTGVQDQCIQKFLDIARQTECFLLQKRLQLSVQKPEQVIKEDVSELNRELQRKDALVQKHLTKLRHWQ
QVLEDINVQHKKPADIPQGLAYLEQASANIPAPLKPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

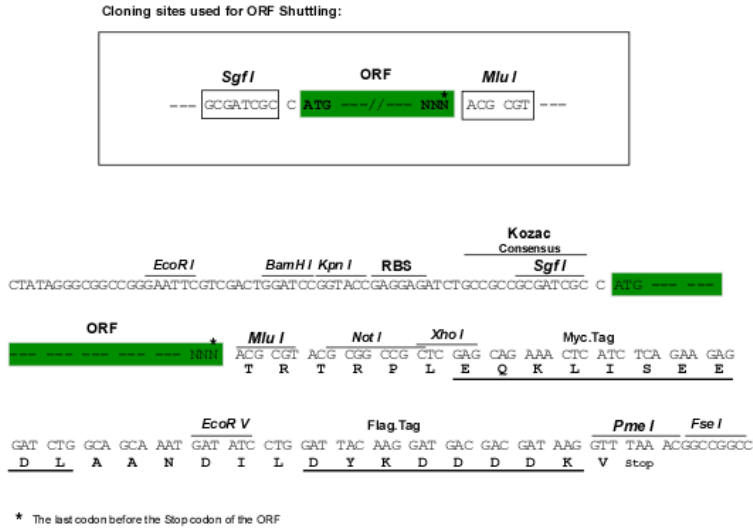
Chromatograms: https://cdn.origene.com/chromatograms/mk6432_h05.zip



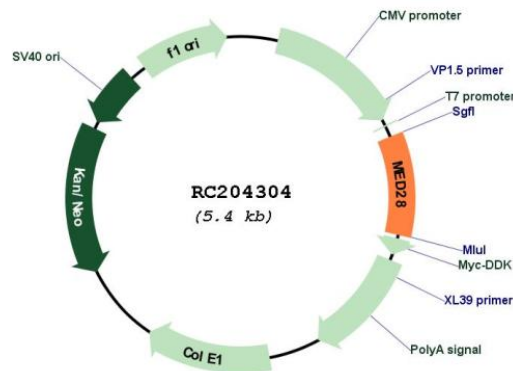
[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_025205

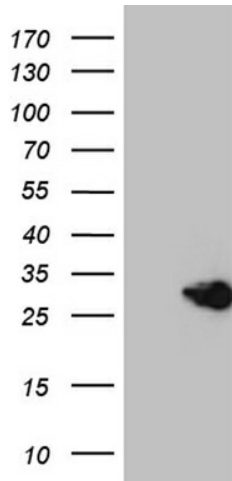
ORF Size: 534 bp

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](#)

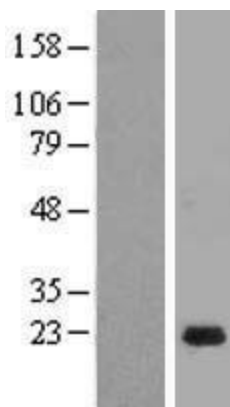
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none">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_025205.5
RefSeq Size:	1363 bp
RefSeq ORF:	537 bp
Locus ID:	80306
UniProt ID:	Q9H204
Cytogenetics:	4p15.32
Protein Families:	Transcription Factors
MW:	19.5 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 be part of a complex containing NF2/merlin that participates in cellular signaling to the actin cytoskeleton downstream of tyrosine kinase signaling pathways.[UniProtKB/Swiss-Prot Function]

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MED28 (Cat# RC204304, 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-MED28 (Cat# [TA810134])(1:2000). Positive lysates [LY410842] (100ug) and [LC410842] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY410842]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204304 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).