

## 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  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC204304 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCTCCACTAGGGGGTATGTTTTCTGGGCAGCCACCCGGTCCCCCTCAGGCCCGCCGGGCCTTC  
CGGGCCAAGCTTCGCTTCTTCAGGCAGCTCCAGGCCTCTAGACCTTCCAGCAGTACTTTGGTGGACGA  
GTTGGAGTCATCTTCGAGGCTTGCTTTGCATCTCTGGTGAGTCAGGACTATGTCAATGGCACCAGATCAG  
GAAGAAATTCGAACCGGTGTTGATCAGTGTATCCAGAAGTTTCTGGATATTGCAAGACAGACAGAATGTT  
TTTTCTTACAAAAAGATTGCAGTTATCTGTCCAGAAACCAGAGCAAGTTATCAAAGAGGATGTGTCAGA  
ACTAAGGAATGAATTACAGCGGAAAGATGCACTAGTCCAGAAGCACTTGACAAAGCTGAGGCATTGGCAG  
CAGGTGCTGGAGGACATCAACGTGCAGCACAAAAAGCCCGCCGACATCCCTCAGGCTCCTTGGCCTACC  
TGGAGCAGGCATCTGCCAACATCCCTGCACCTCTGAAGCCAACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

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

MAAPLGGMFSGQPPGPPQAPPGLPGQASLLQAAPGAPRPSSTLVDELESSFEACFASLVSQDYVNGTDQ  
EEIRTVGDQCIQKFLDIARQTECFLLQKRLQLSVQKPEQVIKEDVSELRNELQRKDALVQKHLTKLRHWQ  
QVLEDINVQHKKPADIPQGLAYLEQASANIPAPLKPT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6432\\_h05.zip](https://cdn.origene.com/chromatograms/mk6432_h05.zip)

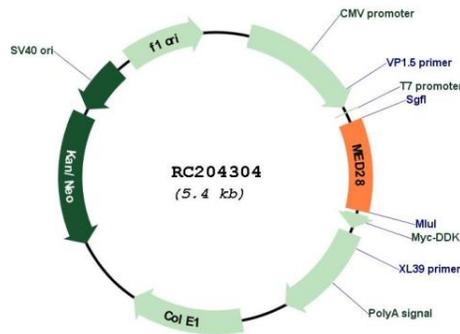




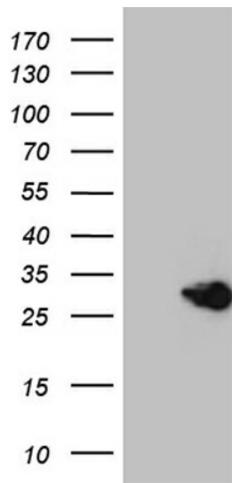
**Locus ID:** 80306  
**UniProt ID:** [Q9H204](#)  
**Cytogenetics:** 4p15.32  
**Protein Families:** Transcription Factors  
**MW:** 19.5 kDa

**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]

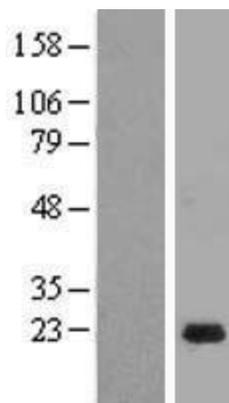
### Product images:



Circular map for RC204304



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]).