

Product datasheet for **RC203883**

MED8 (NM_052877) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED8 (NM_052877) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED8
Synonyms:	ARC32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203883 representing NM_052877 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGGCAGACTGAAGGACGGTGCCTGTTTTAGCCATGAGGTAGTCCCTGACCATCTGAGAACCAAGC
 CTGACCCTGAAGTGAAGAACAGGAGAAGCAACTGACGACAGATGCTGCCCGATTGGTGCAGATGCAGC
 CCAGAAGCAGATCCAGAGCTTGAATAAAATGTGTTCAAACCTTCTGGAGAAAATCAGCAAAGAGGAGCGA
 GAATCAGAGAGTGGAGGTCTCCGGCCGAACAAGCAGACCTTTAACCTACAGACACTAATGCCTTGGTGG
 CAGCTGTTGCCTTGGGAAAGGACTATCTAATTGGAGACCTTCAGGCAGCAGTGGTCTGGCCAGGCAGG
 CCAGCCAGGAGCTGGGACGATCCTTGCAGGAACCTCAGGATTACAGCAGGTGCAGATGGCAGGAGCTCCA
 AGCCAGCAGCAGCCAATGCTCAGTGGGGTACAAATGGCTCAGGCAGGTCAACCAGGGAATGCCAAGTG
 GAATAAAACCAACATCAAGTCGGCTTCCATGCATCCCTACCAGCGGCCCTCCTGCCTGGGTTTCATTCT
 GGCTATCCCTCTAAGGCGCAAGGTGAAGAAGCTTCTGGGCCAGGAAGGAAAAAATGCCACCTGCAG
 CTCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC203883 representing NM_052877

Red=Cloning site Green=Tags(s)

MRQTEGRVPVFSHEVVPDHLRTKPDPEVEEQEQLTTDAARIGADAAQKQIQSLNKMCSNLLKISKEER
ESESGLRPNKQTFNPTDNTALVAAVAFGKGLSNWRPSGSSGPGQAGQPGAGTILAGTSGLQQVQMAGAP
SQQQPMLSGVQMAQAGQPGKMPSGIKTNIKASMHYPQRPSCLGFI LAIPLRRKVKKLLGQEGKKNAHLQ
I W

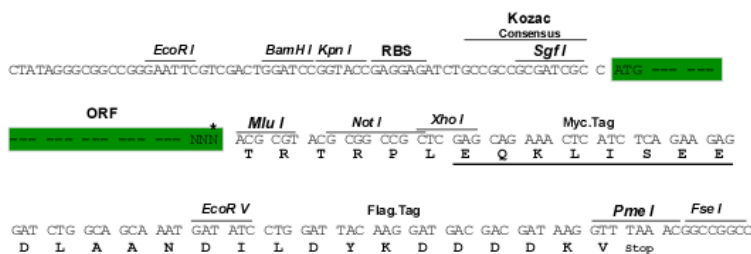
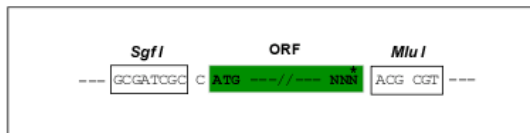
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6306_a12.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 052877

ORF Size: 636 bp

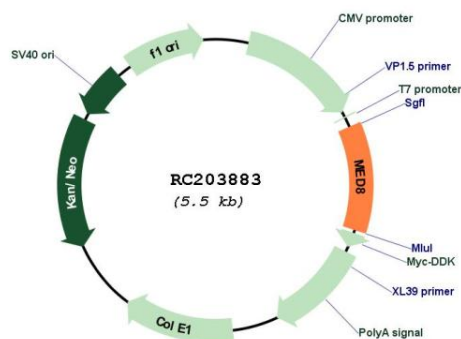
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

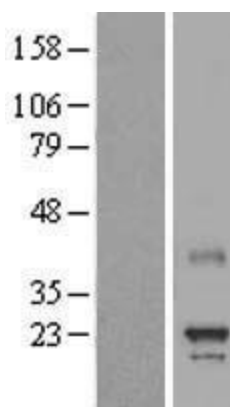
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_052877.2, NP_443109.1</u>
RefSeq Size:	1502 bp
RefSeq ORF:	906 bp
Locus ID:	112950
UniProt ID:	<u>Q96G25</u>
Cytogenetics:	1p34.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	32.6 kDa
Gene Summary:	This gene encodes a protein component of the mediator complex, which aids in transcriptional activation through interaction with RNA polymerase II and gene-specific transcription factors. The encoded protein may also function in ubiquitin ligation and protein degradation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RC203883



Western blot validation of overexpression lysate (Cat# [LY409420]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203883 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).