

Product datasheet for RC201062

MED18 (NM_017638) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED18 (NM_017638) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED18
Synonyms:	p28b; SRB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201062 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGGCACCTCCAGTCACCATGATGCCTGTCACTGGGGGCACCATTAACATGATGGAGTACCTGTTGC
 AGGGAAGTGTTTAGATCACAGTTTGAAAGCCTCATCCACCGCCTTCGTGGTTGTGTGACAACATGGA
 ACCTGAGACTTTCCTTGACCATGAGATGGTATTCCTCCTTAAGGGCCAGCAAGCCAGCCCATTTGTTCTC
 AGGGCCCAGCGCTCTATGGACAGGGCAGGGGCACCCTGGCATCTGCGCTACCTGGGACAGCCAGAAATGG
 GAGACAAGAACC GCCATGCCCTGGTGCAGAACTGCGTGGACATTGCCACATCTGAGAACCTCACC GACTT
 CTTGATGGAAATGGGCTTCCGCATGGACCATGAGTTTGTGCTAAGGGACATTTGTTCCGTAAGGGCATC
 ATGAAGATTATGGTGTACAAGATTTCCGCATCCTGGTGGCAGGGAACACAGACAGCACTGAGGCCTTGT
 CACTCTCCTATCTCGTGGAAATTAAGTGTGGTAGCACCCGCTGGGCAGGACATGGTCTCTGATGACATGAA
 GAACCTCGCAGAACAGCTAAACCTCTGGTTCACCTAGAGAAAATAGACCCCAAGAGGCTCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC201062 protein sequence Red=Cloning site Green=Tags(s)
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MEAPPVTMPVTGGTINMMEYLLQGSVLDHSLESLIHRRLGLCDNMEPETFLDHEMVFLKGGQASPFVL
 RARRSMDRAGAPWHLRYLGQPEMGDKNRHALVRNCVDIATSENLTDFLMEMGFRMDHEFVAKGHLFRKGI
 MKIMVYKIFRILVPGNTDSTEALSLSYLVELSVVAPAGQDMVSDDMKNFAEQLKPLVHLEKIDPKRLM

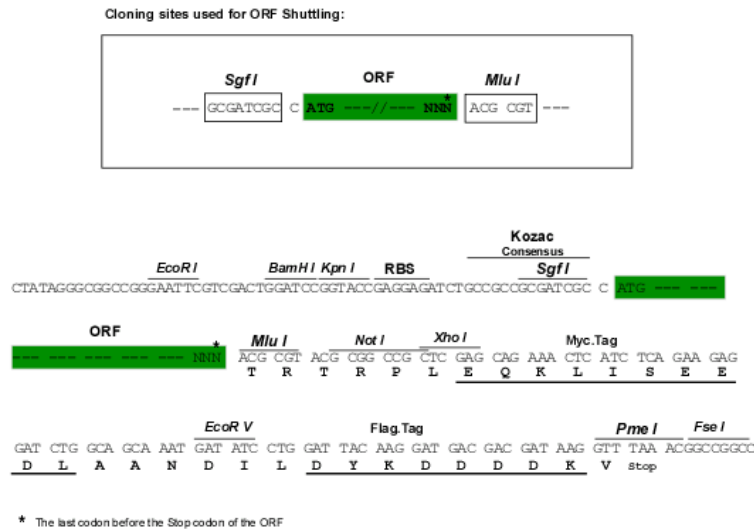
TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Chromatograms: https://cdn.origene.com/chromatograms/mk6721_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017638

ORF Size: 624 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.

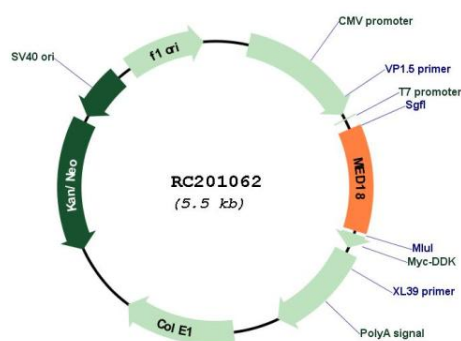
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017638.3](#)

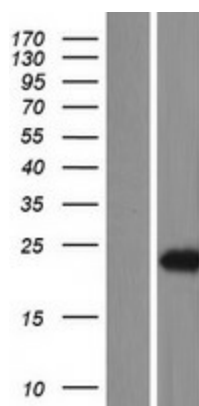
RefSeq Size: 1869 bp

RefSeq ORF:	627 bp
Locus ID:	54797
UniProt ID:	<u>Q9BUE0</u>
Cytogenetics:	1p35.3
MW:	23.7 kDa
Gene Summary:	MED18 is a component of the Mediator complex, which is a coactivator for DNA-binding factors that activate transcription via RNA polymerase II (Sato et al., 2003 [PubMed 12584197]).[supplied by OMIM, Oct 2008]

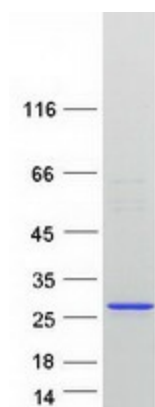
Product images:



Circular map for RC201062



Western blot validation of overexpression lysate (Cat# [LY426751]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225237] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MED18 protein (Cat# [TP301062]). The protein was produced from HEK293T cells transfected with MED18 cDNA clone (Cat# RC201062) using MegaTran 2.0 (Cat# [TT210002]).