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Product datasheet for RC204388

MTBP (NM_022045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTBP (NM_022045) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MTBP
Synonyms:	MDM2BP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC204388 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCGGTACCTGCTGCTGGTGATCTGGGGGGAAGGAAAATTCCCGTCGGCGGCCAGTAGGGAGGCAG
AACATGGGCCAGAGGTGTCGTCGGGTGAGGGTACTGAGAATCAGCCGGACTTCACAGCAGCAAATGTTTA
TCACCTCTTGAAAAGAAGCATTAGTGCTTCAATTAATCCAGAAGATAGTACTTTCCCTGCCTGTTCAGTG
GGAGGTATACCTGGTTCCAAGAAGTGGTTCTTTGCAGTGCAGGCAATATATGGATTTTATCAGTTTTGTA
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CAATGGTAGATATAATACTGTTGCTTTCTGACAAAGATCCTCCTAAATTGAAAGACTATTTACCTACTGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC204388 protein sequence
Red=Cloning site Green=Tags(s)

MDRYLLLVIWGEGKFPSAASREAEHGPEVSSGEGTENQPDFTAANVYHLLKRSISASINPEDSTFPACSV
GGIPGSKKWFFAVQAIYGFYQFCSSDWQEIHFDTEKDKIEDVLQTNIEECLGAVECFEEEDSNSRESLSL
ADLYEEAAENLHQLSDKLPAPGRAMVDIILLLSDKDPPKLKDYLPTVGALKHLREWYSAKITIAGNHCEI
NCQKIAEYLSANVVSLEDLRNVIDSKELWRGKIQIWERKFGFEISFPEFCLKGVTLKNFSTSNLNTDFLA
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GALFVLPCTISNILIPPPNQLSSRKWKEYIAKKPKTISVPDVEVKGECSSYYLLLQGNGNRRCKATLIHS
ANQINGSFALNLIHGKMKTKTEEAKLSFPFDLLSLPHFSGEQIVQREKQLANVQVLALEECLKRRKLAKQ
PETVSVAELKSLLVLTRKHFLDYFDAVIPKMILRKMDKIKTFNILNDFSPVEPNSSSLMETNPLEWPERH
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VLSPLPSPVVSSDPGSVPDGEVLQNELRTEVSRLKRRSKDLNCLYPRKRLVKSESSESLLSQTTGNSNHY
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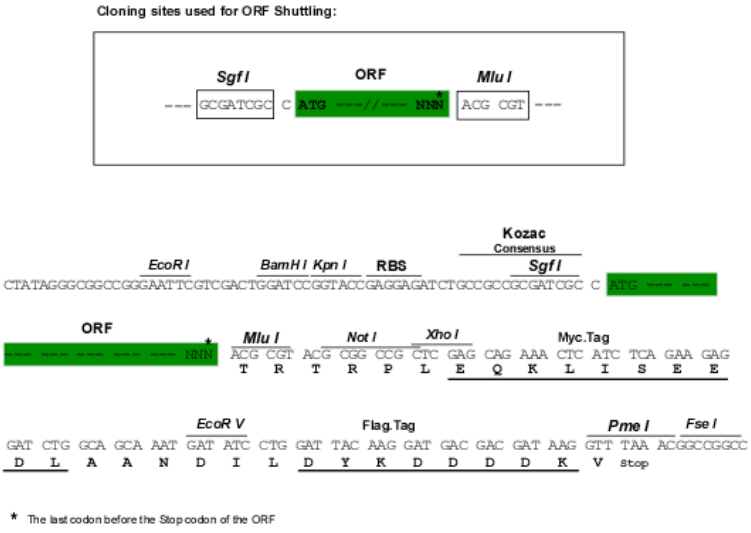
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6201_a04.zip

Restriction Sites: SgfI-MluI

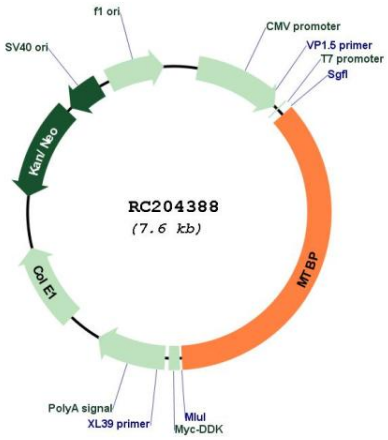
Cloning Scheme:



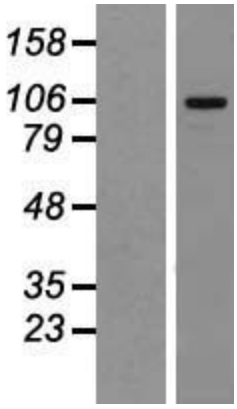
ACCN: NM_022045

ORF Size:	2712 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_022045.5
RefSeq Size:	3087 bp
RefSeq ORF:	2715 bp
Locus ID:	27085
UniProt ID:	Q96DY7
Cytogenetics:	8q24.12
MW:	102.2 kDa
Gene Summary:	This gene encodes a protein that interacts with the oncoprotein mouse double minute 2. The encoded protein regulates progression through the cell cycle and may be involved in tumor formation. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RC204388



Western blot validation of overexpression lysate (Cat# [LY411823]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204388 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).