OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC205823

TRAP80 (MED17) (NM_004268) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRAP80 (MED17) (NM_004268) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TRAP80
Synonyms:	CRSP6; CRSP77; DRIP80; SRB4; TRAP80
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC205823 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCGGGGTGCGCGCAGTGCGGATCAGCATCGAATCGGCCTGCGAGAAGCAGGTCCATGAGGTGGGCC
TGGATGGCACCGAGACGTACCTGCCCCCGCTGTCCATGTCGCAGAATCTGGCGCGTCTGGCCCAGCGGAT
AGACTTCAGCCAGGGTTCGGGCTCCGAGGAGGAGGAGGCGGCGGGGACCGAGGGGGACGCGCAGGACTGG
CCGGGCGCCGGGTCCAGCGCAGACCAGGACGACGAGGAAGGAGTGGTAAAATTTCAGCCTTCCCTTTGGC
CTTGGGACTCAGTGAGGAACAATTTGAGAAGTGCCCTGACAGAGATGTGTGTTCTCTATGATGTTCTCAG
TATTGTTAGGGATAAAAAATTTATGACTCTTGATCCTGTCTCTCAGGATGCACTTCCTCCAAAACAGAAT
CCTCAGACGTTGCAATTGATATCTAAAAAGAAGTCACTTGCTGGAGCAGCACAAATCTTATTGAAGGGGG
CAGAAAGACTGACTAAATCAGTTACCGAAAACCAAGAAAACAAGCTACAAAGAGACTTCAATTCTGAGCT
TTTGCGATTACGGCAACACTGGAAACTTCGAAAAGTTGGAGATAAAATTCTCGGAGATCTGAGCTACAGA
AGTGCAGGATCTCTCTTTCCTCATCATGGTACATTTGAAGTAATAAAGAATACAGATCTCGATCTGGATA
AAAAGATACCTGAAGATTACTGTCCTCTTGATGTCCAAATTCCTAGTGATTTAGAGGGGTCTGCATATAT
CAAGGTTTCAATACAAAAACAGGCTCCAGATATAGGTGACCTCGGCACAGTTAACCTCTTCAAACGACCT
TTGCCCAAATCCAAACCAGGTTCCCCACATTGGCAGACAAAATTAGAAGCGGCACAGAATGTTCTCTTAT
GTAAAGAAATTTTTGCACAGCTCTCTCGGGAAGCTGTTCAAATTAAATCACAAGTCCCTCACATTGTGGT
GAAAAACCAGATTATCTCTCAGCCCTTTCCGAGCTTGCAGTTATCTATTTCTTTGTGCCATTCCTCAAAT
GATAAGAAATCCCAAAAATTTGCTACTGAGAAGCAATGTCCGGAGGACCACCTTTATGTCCTAGAGCATA
ATTTGCATCTACTGATTAGAGAGTTTCATAAACAGACCTTGAGTTCCATCATGATGCCTCATCCAGCAAG
TGCACCTTTTGGCCACAAGAGAATGAGACTTTCGGGTCCTCAAGCTTTTGATAAAAATGAAATTAATTCA
TTACAGTCCAGTGAAGGGCTTCTGGAAAAAATAATTAAACAAGCAAAGCATATTTTTCTAAGGAGTAGAG
CTGCTGCAACCATTGACAGCTTAGCAAGCCGAATTGAGGATCCTCAGATACAGGCTCATTGGTCAAATAT
CAATGATGTTTATGAATCTAGTGTGAAAGTTTTAATCACATCACAAGGCTATGAACAAATATGCAAGTCC
ATTCAACTGCAATTGAATATTGGAGTTGAGCAGATTCGAGTTGTACATAGAGATGGAAGAGTAATTACAC
TGTCTTATCAGGAGCAGGAGCTACAGGATTTTCTTCTGTCTCAGATGTCACAGCACCAGGTACATGCAGT
TCAGCAACTCGCCAAGGTTATGGGCTGGCAAGTACTGAGCTTCAGTAATCATGTGGGACTTGGACCTATA
GAGAGCATTGGTAATGCATCTGCCATCACGGTGGCCTCCCCAAGTGGTGACTATGCTATTTCAGTTCGTA
ATGGACCTGAAAGTGGCAGCAAGATTATGGTTCAGTTTCCTCGTAACCAATGTAAAGACCTTCCAAAAAG
TGATGTTTTACAAGATAACAAATGGAGTCATCTTCGTGGGCCATTCAAAGAAGTTCAGTGGAATAAAATG
GAAGGTCGAAATTTTGTTTATAAAATGGAGCTGCTTATGTCTGCACTTAGCCCTTGTCTACTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205823 protein sequence
Red=Cloning site Green=Tags(s)

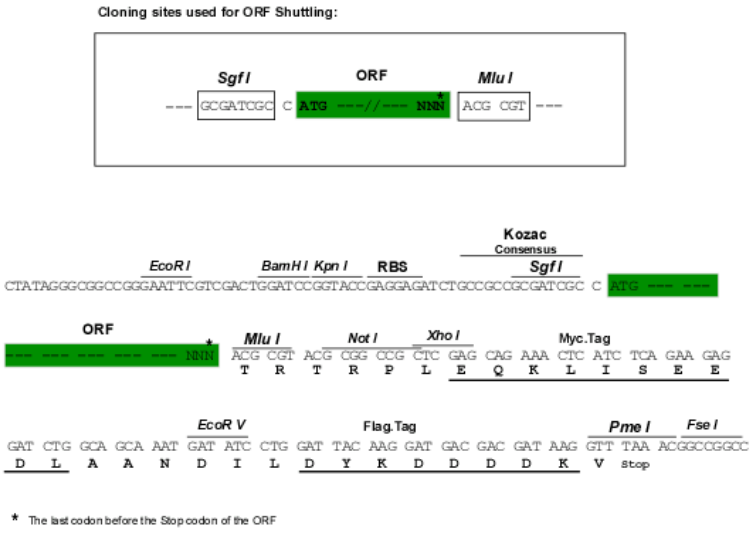
MSGVRAVRISIESACEKQVHEVGLDGTETYLPPLSMSQNLARLAQRIDFSQGSGSEEEEAAGTEGDAQDW
PGAGSSADQDDEEGVVKFQPSLWPWDSVRNNLRSALTEMCVLYDVLSIVRDKKFMTLDPVSQDALPPKQN
PQTLQLISKKKSLAGAAQILLKGAERLTKSVTENQENKLQRDFNSELLRLRQHWKLRKVGDKILGDLSYR
SAGSLFPHHGTFEVIKNTDLDLDKKIPEDYCPLDVQIPSDLEGSAYIKVSIQKQAPDIGDLGTVNLFKRP
LPKSKPGSPHWQTKLEAAQNVLLCKEIFAQLSREAVQIKSQVPHIVVKNQIISQPFPSLQLSISLCHSSN
DKKSQKFATEKQCPEDHLYVLEHNLHLLIREFHKQTLSSIMMPHPASAPFGHKRMRLSGPQAFDKNEINS
LQSSEGLLEKIIKQAKHIFLRSRAAATIDSLASRIEDPQIQAHWSNINDVYESSVKVLITSQGYEQICKS
IQLQLNIGVEQIRVVHRDGRVITLSYQEQELQDFLLSQMSQHQVHAVQQLAKVMGWQVLSFSNHVGLGPI
ESIGNASAITVASPSGDYAISVRNGPESGSKIMVQFPRNQCKDLPKSDVLQDNKWSHLRGPFKEVQWNKM
EGRNFVYKMELLMSALSPCLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6064_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

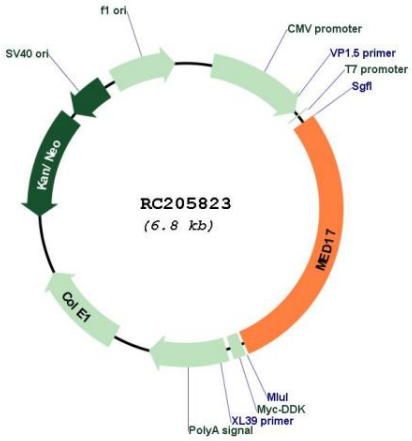


ACCN: NM_004268

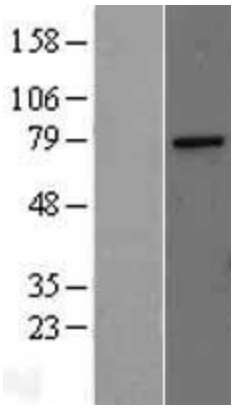
ORF Size: 1953 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_004268.5
RefSeq Size:	3497 bp
RefSeq ORF:	1956 bp
Locus ID:	9440
UniProt ID:	Q9NVC6
Cytogenetics:	11q21
Protein Families:	Druggable Genome, Transcription Factors
MW:	72.9 kDa
Gene Summary:	The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC205823



Western blot validation of overexpression lysate (Cat# [LY401377]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205823 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).