

Product datasheet for **RC203066**

MTRES1 (NM_016487) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTRES1 (NM_016487) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MTRES1
Synonyms:	C6orf203; HSPC230; PRED31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203066 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTATGGCTAGTGTTAAATTGCTTGCCGGTGTTTAAGAAAGCCAGATGCCTGGATTGGACTCTGGG
GTGTTCTCCGAGGGACACCTTCATCATACAAACCTGTACTTCTGGAATCGATACTTGTATTTTCTAG
TACCAAGTTACGTGCACCAAATTATAAAACACTTTTTATAATTTTTCTCACTGAGACTCCAGGGCTT
TACTATCTCCAGAATGTATTTTCTTTTTCCGTAAGACTCAAAGTAATATAAGGTCTACAAAATCTA
CTAAAAAGTCTCTGCAAAAAGTAGATGAAGAGGACTCTGATGAAGAAAGCCATCATGATGAGATGAGTGA
GCAGGAAGAGGAGCTTGAGGATGATCCTACTGTAGTCAAAAACATAAAGACCTGAAAAAGCAGTTCAG
TCTTTTCGGTATGATGTTGTCCTGAAGACGGGGCTAGATATTGGGAGAAAACAAAGTGAAGATGCTTTCT
ACAAAGGTGAACTCAGGCTGAATGAGGAAAAATTATGGAAGAAAAGCAGAACGGTGAAAGTGGGAGATAC
ATTGGATCTTCTCATTGGAGAGGATAAAGAAGCAGGAACAGACAGTTATGCGGATTCTTTGAAAAAA
GTGTTTGAAGAGAAGACTGAAAGTGAAAAATACAGAGTGGTGTACGGCGGTGAAAAAGTTAAAGTTGC
CTAAGAAGAGAATGTCTAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_016487.5](#)

RefSeq Size: 1199 bp

RefSeq ORF: 723 bp

Locus ID: 51250

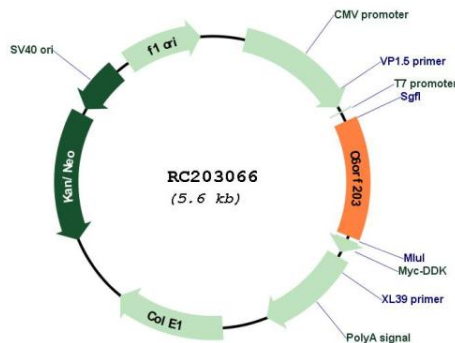
UniProt ID: [Q9P0P8](#)

Cytogenetics: 6q21

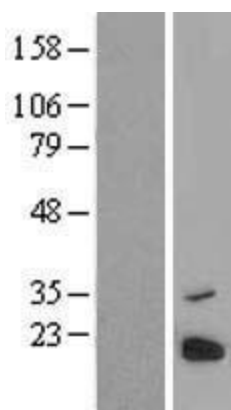
MW: 27.9 kDa

Gene Summary: Mitochondrial RNA-binding protein involved in mitochondrial transcription regulation. Functions as a protective factor to maintain proper mitochondrial RNA level during stress. Acts at the transcription level and its protective function depends on its RNA binding ability. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203066



Western blot validation of overexpression lysate (Cat# [LY428114]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227081] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).