

Product datasheet for **RC203245**

Melanoma Inhibitory Activity (MIA) (NM_006533) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Melanoma Inhibitory Activity (MIA) (NM_006533) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Melanoma Inhibitory Activity
Synonyms: CD-RAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC203245 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGGTCCCTGGTGTGCCTTGGTGTATCATCTTGCTGTCTGCCTTCTCCGGACCTGGTGTCAAGG
GTGGTCTATGCCAAGCTGGCTGACCGGAAGCTGTGTGCGGACCAGGAGTGCAGCCACCCTATCTCCAT
GGCTGTGGCCCTCAGGACTACATGGCCCCGACTGCCGATTCTGACCATTACCGGGGCCAAGTGGT
TATGTCTTCTCCAAGCTGAAGGGCCGTGGGCGGCTCTTCTGGGGAGGCAGCGTTCAGGGAGATTACTATG
GAGATCTGGCTGCTCGCCTGGGCTATTTCCCCAGTAGCATTGTCCGAGAGGACCAGACCCTGAAACCTGG
CAAAGTCGATGTGAAGACAGACAAATGGGATTTCTACTGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203245 protein sequence
Red=Cloning site Green=Tags(s)
MARSLVCLGVIIILLSAFSGPVGVRGGPMPKLADRKLCADQECSHPI SMAVALQDYMAPDCRFLTIHRGQVV
YVFSKLGKGRGLFWGGSVQGDYDGDLAARLGYFPSSIVREDQTLKPGKVDVKTKDWDFYQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6050_e06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_006533

ORF Size: 393 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_006533.4](#)

RefSeq Size: 654 bp

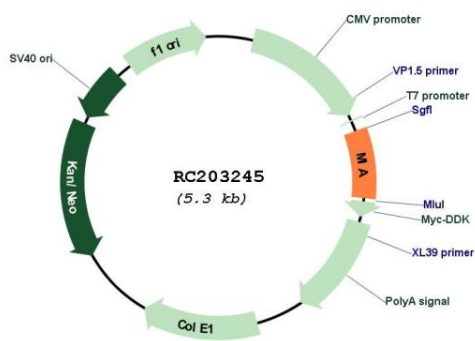
RefSeq ORF: 396 bp

Locus ID: 8190

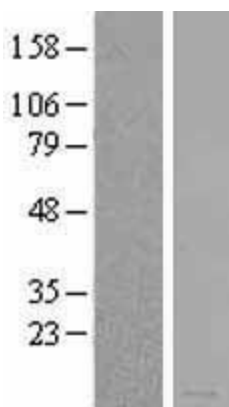
UniProt ID: [Q16674](#)

Cytogenetics: 19q13.2
Domains: SH3
Protein Families: Secreted Protein, Transmembrane
MW: 14.5 kDa
Gene Summary: Elicits growth inhibition on melanoma cells in vitro as well as some other neuroectodermal tumors, including gliomas.[UniProtKB/Swiss-Prot Function]

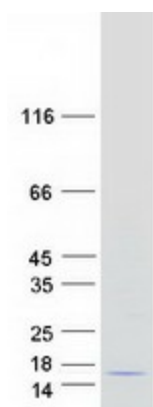
Product images:



Circular map for RC203245



Western blot validation of overexpression lysate (Cat# [LY401957]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203245 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MIA protein (Cat# [TP303245]). The protein was produced from HEK293T cells transfected with MIA cDNA clone (Cat# RC203245) using MegaTran 2.0 (Cat# [TT210002]).