

Product datasheet for **RG203245**

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: TurboGFP
Symbol: Melanoma Inhibitory Activity
Synonyms: CD-RAP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203245 representing NM_006533
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGCTCCCTGGTGTGCCTTGGTGTATCATCTTGCTGTCTGCCTTCTCCGGACCTGGTGTCAAGG
GTGGTCCATGCCAAGCTGGCTGACCGGAAGCTGTGTGCGGACCAGGAGTGCAGCCACCCTATCTCCAT
GGCTGTGGCCCTCAGGACTACATGGCCCCGACTGCCGATTCTGACCATTACCGGGGCCAAGTGGT
TATGTCTTCTCAAGCTGAAGGGCCGTGGGCGGCTCTTCTGGGAGGCAGCGTTCAGGGAGATTACTATG
GAGATCTGGCTGCTCGCTGGGCTATTTCCCCAGTAGCATTGTCCGAGAGGACCAGACCCTGAAACCTGG
CAAAGTCGATGTGAAGACAGACAAATGGGATTTCTACTGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203245 representing NM_006533
Red=Cloning site **Green**=Tags(s)
MARSLVCLGVIIILLSAFSGPGVRRGMPKLAADRKLCADQECSHPI SMAVALQDYMAPDCRFLTIHRGQVV
YVFSKLGKGRGLFWGGSVQGDYDGDLAARLGYFPSSIVREDQTLKPGKVDVKTDKWFYCY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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.

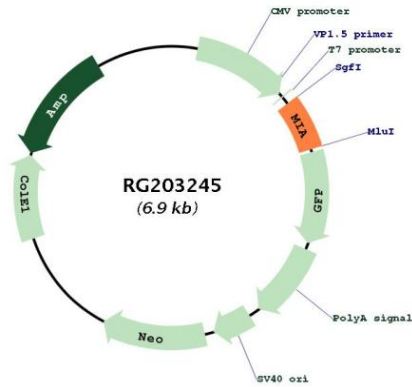
RefSeq: [NM_006533.4](#)

RefSeq Size: 538 bp

RefSeq ORF: 396 bp

Locus ID: 8190
UniProt ID: [Q16674](#)
Cytogenetics: 19q13.2
Domains: SH3
Protein Families: Secreted Protein, Transmembrane
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 RG203245