

## Product datasheet for **SC116021**

### Melanoma Inhibitory Activity (MIA) (NM\_006533) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Melanoma Inhibitory Activity (MIA) (NM\_006533) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Melanoma Inhibitory Activity  
**Synonyms:** CD-RAP  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_006533 edited  
 ATGGCCCCGGTCCCTGGTGTGCCTTGGTGCATCATCTTGCTGTCTGCCTTCTCCGGACCT  
 GGTGTGACGGGGTGGTCTATGCCCAAGCTGGCTGACCGGAAGCTGTGCGGACCAGGAG  
 TGCAGCCACCCTATCTCCATGGCTGTGGCCCTCAGGACTACATGGCCCCGACTGCCGA  
 TTCTGACCATTACCGGGGCCAAGTGGTGTATGTCTTCTCCAAGCTGAAGGGCCGTGGG  
 CGGCTCTTCTGGGGAGGCAGCGTTCAGGGAGATTACTATGGAGATCTGGCTGCTCGCCTG  
 GGCTATTTCCCCAGTAGCATTGTCCGAGAGGACCAGACCCTGAAACCTGGCAAAGTCGAT  
 GTGAAGACAGACAAATGGGATTCTACTGCCAGTGA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_006533 unedited  
 GATGTTACGGNATATGTATACGACTCCTATAGGGCGGCCGGAATCGGCACGAAAGGAAA  
 TTGGAGACCCCAGCACCCCTTGCTCACTCTTGTCTCACAGTCCACGATGGCCCGGTCC  
 CTGGTGTGCCTTGGTGTGCATCATCTTGCTGTCTGCCTTCTCCGGACCTGGTGTGAGGGT  
 GGTCTATGCCCAAGCTGGCTGACCGGAAGCTGTGCGGACCAGGAGTGCAGCCACCCT  
 ATCTCCATGGCTGTGGCCCTCAGGACTACATGGCCCCGACTGCCGATTCTGACCATT  
 CACCGGGGCCAAGTGGTGTATGTCTTCTCCAAGCTGAAGGGCCGTGGCGGCTCTTCTGG  
 GGAGGCAGCGTTCAGGGAGATTACTATGGAGATCTGGCTGCTCGCCTGGGCTATTTCCCC  
 AGTAGCATTGTCCGAGAGGACCAGACCCTGAAACCTGGCAAAGTCGATGTGAAGACAGAC  
 AAATGGGATTCTACTGCCAGTGAGCTCAGCCTACCGCTGGCCCTGCCGTTTCCCTCCT  
 TGGCTTTATGCAATAACAATCAGCCCAGTGCAAAAAAAAAAAAAAAAAAACTCGACTCTAG  
 ATTGCGGCCGCGGTGCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCC  
 TCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTTA  
 AATAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTTAATATTATGGGTGGCGG  
 GGGGGGGCTTCTCNCCCCGTCCCCCTCCCCCTCCACCCCCCCCCCCCCCCCCCTCCC  
 TCCCCCCCCCCCCCTCCCCCTCACTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCTCCT  
 CTCATCCACCCCCCCCCC



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_006533 unedited NNNNTTGTAGCTCTGGACACGCGGCCCAATCTANAGATCGAGTTTTTTTTTTTTTTTTTTTGG CACTGGGCTGATTGTATTTGCATAAAGCCAAGAGGGGAAAACGGCAGGGCCAGCGGTAGG CTGAGCTCACTGGCAGTAGAAATCCCATTTGTCTGTCTTCACATCGACTTTGCCAGGTTT CAGGGTCTGGTCTCTCGGACAATGCTACTGGGAAATAGCCCAGGCGAGCAGCCAGATC TCCATAGTAATCTCCCTGAACGCTGCCTCCCAAGAGAGCCGCCACGGCCCTTCAGCTT GGAGAAGACATACACCACCTTGGCCCCGGTGAATGGTCAGGAATCGGCAGTCAGGGGCCAT GTAGTCTGAAGGGCCACAGCCATGGAGATAGGGTGGCTGCACTCCTGGTCCGCACACAG CTTCCGGTCAGCCAGCTTGGGCATAGGACCACCCCTGACACCAGGTCCGGAGAAGGCAGA CAGCAAGATGATGACACCAAGGCACACCAGGGACCGGGCCATCGTGGACTGTGAGCAAGA GAGTGAGCAAGGGGGTCTGGGGTCTCCAATTTCTCTCGTGCCGAATTCGCGGCCGCC TATAGTGAGTCGTATTACAAAATCTGACCGTTCACTAAACCAGCTCTGTTATATAGAC CTCCACCGGACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTATTACCACATTT TGGAAAGTCCCCTGTATTTGGTGGCCAAAACACTCCCATTTGCCTCAATGGGGGGGA GACCTGGAAAAATCCCGTGGAGTCAAACCCTATCCACGCCCTTGGGGGTCCGGCAAA AACCCGTTTACCATGGGTGATAGCCAATGACCTAAAACCTAAATGTACCTCGCCAATAAG GAAAAGCCCCGCA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_006533
<b>Insert Size:</b>	620 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_006533.1</a> , <a href="#">NP_006524.1</a>
<b>RefSeq Size:</b>	538 bp
<b>RefSeq ORF:</b>	396 bp
<b>Locus ID:</b>	8190
<b>UniProt ID:</b>	<a href="#">Q16674</a>
<b>Cytogenetics:</b>	19q13.2
<b>Domains:</b>	SH3
<b>Protein Families:</b>	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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Both variants 1 and 2 encode the same protein.