

Product datasheet for **SC310193**

MIA2 (NM_054024) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIA2 (NM_054024) Human Untagged Clone
Tag:	Tag Free
Symbol:	MIA2
Synonyms:	CTAGE5; MEA6; MGEA; MGEA6; MGEA11; TALI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC310193 representing NM_054024.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAAATTTGGCGTTCACAGAATCCTTCTTCTGGCTATTTCTCTGACAAAGTGTCTGGAGAGTACA
AACTGCTGGCAGACCTTAAAAATGTGGTGACTTGAATGTGAAGCTTTAATAACAGAGTCTCAGCC
ATGAGAGATTATAGAGGACCTGACTGCCGATACCTGAACCTCACTAAGGGAGAAGAGATATCTGTTTAT
GTTAAACTTGCAGGAGAAAGGAAGATTTGTGGCAGGAAGTAAAGGAAAAGGAGTTTGGATATTTCCC
AGAGATGCAGTCCAGATTGAAGAGGTGTTTATCTGAGGAAATTCAGATGTCAACGAAAGAATCTGAC
TTTCTTTGTCTTCTGGAGTAAGTTACACATTTGACAATGAAGATAGTGAATTAACGGTGATTATGGT
GAAAATATATATCCTTATGAAGAAGATAAAGATGAAAAATCTAGTATATATGAAAGTGATTTTCAGATA
GAACCTGGATTTTATGCAACTTATGAAAGTACTTTGTTTGAAGACCAAGTCCAGCATTAGAGGCTCCT
GAAGATATCGGAAGTACCAGTGAATCAAAGACTGGGAAGAAAGTGTGTTGAAAGTATGGAACAGGAT
CGTATTCCAGAAGTGCATGTCCCACCATCTTCAGCTGTGTCTGGAGTCAAAGAATGGTTTGGATTGGGA
GGAGAACAAGCTGAAGAGAAGGCTTTTGAATCAGTTATTGAACCTGTACAAGAAAGCTCATTTCGGAGT
AGAAAAATAGCAGTGAAGATGAGAATGACCTAGAGGAATTAATAATGGTGAGCCTCAAACAGAACAT
CAGCAAGAATCTGAATCAGAAATGATTGAGTCCAAAGACACAGTCTGAACTAGCATCTGAGTCAGAG
CACATTCCTCAACCTCAATCCACTGGTTGGTTGGTGGAGGATTTACAAGTTATTTAGGTTTTGGAGAT
GAGGATACAGGGCTTGAATTAATAGCTGAAGAAAGCAATCCACCACTACAAGATTTTCCCAATCCATA
TCATCTGATAAAGAAGCCACAGTCCATGTACAGAAATATTAACGAAAAAAGACACAATCACTAAT
GATAGCTTGAGTCTCAAGCCAAGTTGGTTTGGTTTGGTTTGGTATACTAGGCTTTGCATATGCCAAG
GAAGATAAAATTTAGTTAGATGACAGAAAAATGAAGAAGATGGTGGGCAGATGAACATGAACATCCT
CTAACAGTGAATTAGACCTGAAAAAGAACAAGAAATAGAAACGATAAAAAATTATAGAAACAGAAGAT
CAAATAGACAAGAAACAGTCTCAGAAAAACAGACGAATCTGATACTATACCATATTTGAAAAAGTTC
TTGTATAATTTTGAACCCCTTGGAACTTCCAGAACATTCCAAAGGAAACAGAATTGCCATTTCCAAA
CAGATACTGGATCAAAATAATGTAATTGAAAAATGAAGAACTGGAGAATTTCCATTGATAATTATCCC
ACAGATAATACAAAAGTTATGATATTCAAAGTTCATACAGTCTGTGAGATATGGTCTCTAACATAGAG
TTACCTACGAGAATTCACGAAGAAGTATATTTGAACCTCATCTCTAAAGATAGTGATGAAAATTCG
AAACCATCAGTAGACACCGAAGGCCTGCTCTGGTGGAGATAGACAGATCTGTGGAAAATACCCTGCTA
AATAGTCAGATGGTTTCAACTGATAACTCTTTGTCTTCTCAAATATATTTCTCAGAAAGAAGATGCT
TCTGAGTTTCAAGATTCTGAAATACTTATCCAAATGATGTTTATGATTTTCAATGATTTTCA
CCAATTGTAATTTTACAGAAAGGTAAGTTTGCCTTTTAAACCTTTTGAATAATTTTACCTATTTTG
CTAAATATAAGAGTGGCTACAAAATATGTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI

Plasmid Map: □

ACCN: NM_054024

Insert Size: 1965 bp

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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:	<u>NM_054024.3</u>
RefSeq Size:	2351 bp
RefSeq ORF:	1965 bp
Locus ID:	4253
UniProt ID:	<u>Q96PC5</u>
Cytogenetics:	14q21.1
Protein Families:	Transmembrane
MW:	74.1 kDa
Gene Summary:	<p>This gene encodes s receptor in the endoplasmic reticulum, which plays a role in the export of large pre-chylomicrons and pre-very low density lipoproteins (pre-VLDLs). Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species (TANGO1-like or TALI). Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Sep 2016]</p> <p>Transcript Variant: This variant (8) has lacks several 3' exons and differs in the 3' coding region and 3' UTR, compared to variant 6. It encodes isoform 8, which has a shorter and distinct C-terminus, compared to isoform 6.</p>