

## Product datasheet for **SC308133**

### CTAGE5 (MIA2) (NM\_203354) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_203354) 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:** >SC308133 representing NM\_203354.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAATTGAAAAGTCCAGAGGAAGAGGTTGTGGCAGCACTGCCTGAAGGTATGAGACCAGATTCTAAT
CTTTATGGTTTTCCATGGGAATTTGGTATATGTGCAGCTGTTGTTGGATTTTTTGTCTGTTCTTTTTT
TTGTGGAGAAGTTTTAGATCGGTTAGGAGTCGGCTTTATGTGGACGAGAGAAAAAGCTTCTCTAATG
CTTTCTGGACTAATTGAAGAAAAAAGTAACTACTTGA AAAAATTTAGCCTTGTTCAAAAAGAGTATGAA
GGCTATGAAGTAGAGTCATCTTTAAAGGATGCCAGCTTTGAGAAGGAGGCAACAGAAACAAAAAGTTG
GAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCTGAACTTGAGGATGAAATACTCTGTCTAGAAAAA
GAGTTAAAAGAAGAGAAATCCAAACATTCTGAACAAGATGAATTGATGGCGGATATTTCAAAAAGGATA
CAGTCTCTAGAAGATGAGTCAAAATCCCTCAAATCACAAGTAGCTGAAGCCAAAATGACCTTCAAGATA
TTTCAAATGAATGAAGAACGACTGAAGATAGCAATAAAAGATGCTTTGAATGAAAATTCTCAACTCAG
GAAAGCCAGAAACAGCTTTTGAAGAAGCTGAAGTATGGAAGAACAAGTGAAGTAAATAACAG
AAAGTAACATTTGAAGACTCCAAAGTACATGCAGAACAAGTTCTAAATGATAAAGAAAGTACATCAAG
ACTCTGACTGAACGCTTGTTAAAGATGAAAGATTGGGCTGCTATGCTTGAGAAGACATAACGGATGAT
GATAACTTGGAATTAGAAATGAACAGTGAATCGGAAAAATGGTGCTTACTTAGATAATCCTCCAAAAGGA
GCTTTGAAGAACTGATTCATGCTGCTAAGTTAAATGCTTCTTTAAAAACCTTAGAAGGAGAAAAGAAAC
CAAATTTATATTCAGTTGTCTGAAGTTGATAAAAACAAAGGAGAGCTTACAGAGCATATTTAAAAATCTT
CAGACTGAACAAGCATCTTTCAGTGCAGAAAACACACATTTTAAAAATGAGAATCAGAAGCTTCAACAG
AACTTAAAGTAATGACTGAATTATATCAAGAAAAATGAAATGAACTCCACAGGAAATTAACAGTAGAG
GAAAATATCGGTTAGAGAAAAGAAGAGAAACTTTCTAAAGTAGATGAAAAGATCAGCCATGCCACTGAA
GAGCTGGAGACCTATAGAAAGCGAGCCAAAGATCTTGAAGAAGAATTGGAGAGAATTCATTCTTAT
CAAGGGCAGATTATTTCCATGAGAAAAAAGCACATGATAATTGGTTGGCAGCTCGGAATGCTGAAAGA
AACCTCAATGATTTAAGGAAAAGAAAATGCTCACACAGACAAAAATTAAGTAAACAGAGCTTAAATTT
GAACCTTTAGAAAAAGATCCTTATGCACCTCGATGTTCCAATACAGCATTGGCAGAGAGCATTCCCCA
TATGGTCCCTCACCATTGGGTTGGCCTTCTGAAACAAGAGCTTTTCTCTCCTCCAACCTTTGTTG
GAGGGTCCACTCAGACTCTCACCTTTGCTTCCAGGGGAGGAGGAAGAGGCTCACGAGGCCAGGGAAAT
CCTCTGGACCATCAGATTACCAATGAAAGAGGAGAATCAAGCTGTGATAGGTTAACCGATCTCATAGG
GCTCCCTCTGACTGGGTCTCTGTACCTCCATGGGACCAGGACCGTAGGATGATGTTTCTCCGCCA
GGACAATCATATCCTGATTCAGCCCTTCTCCACAAGGCAAGACAGATTTTGTCTAATTCCTGGTAGA
CTGTCTGGACCAGCAGAACTCAGAAGTTTTAATATGCCTTCTTTGGATAAAATGGATGGGTCAATGCCT
TCAGAAATGGAATCCAGTAGAAATGATACCAAAGATGATCTTGGAATTTAAATGTGCCTGATTCATCT
CTCCCTGCTGAAAATGAAGCCACTGGCCCTGGCTTTGTTCCCTCCACCTCTTGCTCCAATCAGAGGTCCA
TTGTTTCCAGTGGATGCAAGAGGCCCATTTCTGAGAAGAGGACCTCCTTTCCCCCACCCTCCTCCAGGA
GCCATGTTTGGAGCTTCTCGAGATTATTTCCACCAGGGGTTTTCTCCTTACCTTCCCCAACACCTGCTCATT
GCAATGAGAAATGTCTATCCACCAGGGGTTTTCTCCTTACCTTCCCCAACACCTGGATTTTCCCC
CCACCCACATTTCTGAAGGTAGAAGTGAAGTCCCCTCAGTTTTGATTCCACCTTCAAATGAGCCTGCT
ACTGAACATCCAGAACCACAGCAAGAACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_203354

**Insert Size:** 2379 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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_203354.2</a></u>
<b>RefSeq Size:</b>	3431 bp
<b>RefSeq ORF:</b>	2379 bp
<b>Locus ID:</b>	4253
<b>UniProt ID:</b>	<u><a href="#">Q96PC5</a></u>
<b>Cytogenetics:</b>	14q21.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	89.6 kDa
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 6. It encodes isoform 2, which has a shorter and distinct N-terminus and lacks an internal segment compared to isoform 6.</p>