

## Product datasheet for **SC308135**

### CTAGE5 (MIA2) (NM\_203356) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_203356) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTAGE5
Synonyms:	CTAGE5; MEA6; MGEA; MGEA6; MGEA11; TALI
Vector:	<u>pCMV6 series</u>



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_203356, the custom clone sequence may differ by one or more nucleotides

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ATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTGGTGATATGTGCAGCTGTT
GTTGGATTTTTGCTGTTCTCTTTTTTTTGGGAGAAGTTTTAGATCGGTTAGGAGTCGG
CTTTATGTGGGACGAGAGAAAAAGCTTGCTCTAATGCTTCTGGACTAATTGAAGAAAA
AGTAAACTACTTGAAAAATTTAGCCTTGTTCAAAAAGAGTATGAAGCTATGAAGTAGAG
TCATCTTTAAAGGATGCCAGCTTTGAGAAGGAGGCAACAGAAGCACAAGTTTGGAGGCA
ACCTGTGAAAAGCTGAACAGGTCCAATTCTGAACCTTGAGGATGAAATACTCTGTCTAGAA
AAAGAGTTAAAAGAAGAGAAATCCAAACATTCTGAACAAGATGAATTGATGGCGGATATT
TCAAAAAGGATACAGTCTCTAGAAGATGAGTCAAAATCCCTCAAATCACAAGTAGCTGAA
GCCAAAATGACCTTCAAGATATTTCAAATGAATGAAGAACGACTGAAGATAGCAATAAAA
GATGCTTTGAATGAAAATTTCAACTTCAGGAAAGCCAGAAAACAGCTTTTGAAGAAGCT
GAAGTATGAAAAGAACAAGTGAGTGAACCTAATAAACAGAAAAGTAACTTTGAAGACTCC
AAAGTACATGCAGAACAAGTTCTAAATGATAAAGAAAAGTCACATCAAGACTCTGACTGAA
CGCTTGTTAAAGATGAAAGATTGGGCTGCTATGCTTGGAGAAGACATAACGGATGATGAT
AACTTGGAAATTAGAAATGAACAGTGAATCGGAAAATGGTGCTTACTTAGATAATCCCTCCA
AAAGGAGCTTTGAAGAACTGATTCATGCTGCTAAGTTAAATGCTTCTTTAAAAACCTTA
GAAGGAGAAAAGAAACCAATTTATATTCAGTTGCTGAAGTTGATAAAACAAAGGAAGAG
CTTACAGAGCATATTAATAATCTTCAGACTGAACAAGCATCTTTGCAGTCAGAAAACACA
CATTTTAAAAATGAGAATCAGAAGCTTCAACAGAAACTTAAAGTAAATGACTGAATTATAT
CAAGAAAATGAAATGAACTCCACAGGAAATTAACAGTAGAGGAAAATTTACGGTTAGAG
AAAGAAGAGAACTTTCTAAAGTAGATGAAAAGATCAGCCATGCCACTGAAGAGCTGGAG
ACCTATAGAAAAGCGAGCCAAAGATCTTGAAGAAGAATTGGAGAGAATTCATTCTTAT
CAAGGGCAGATTATTTCCCATGAGAAAAAAGCACATGATAATTGGTTGGCAGCTCGGAAT
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ACAGCATTTGGCAGAGAGCATTCCCATATGGTCCCTCACCATTGGGTTGGCCTTCATCT
GAAACAAGAGCTTTTCTCTCTCCAACCTTTGTTGGAGGGTCCACTCAGACTCTCACCT
TTGCTTCCAGGGGAGGAGGAAGAGGCTCACGAGGCCAGGGAATCCTCTGGACCATCAG
ATTACCAATGAAAGAGGAGAATCAAGCTGTGATAGGTTAACCGATCCTCATAGGGCTCCC
TCTGACTGCGGCTCTGTGCACCTCCATGGGACCAGGACCGTAGGATGATGTTTCTCCG
CCAGGACAATCATATCCTGATTCAGCCCTTCTCCACAAAGGCAAGACAGATTTTGTCT
AATTCTGGTAGACTGTCTGGACCAGCAGAACTCAGAAGTTTTAATATGCCTTCTTTGGAT
AAAATGGATGGGTCAATGCCTTCAGAAATGGAATCCAGTAGAAATGATACCAAAGATGAT
CTTGGTAATTTAAATGTGCCTGATTCACTCTCCCTGCTGAAAATGAAGCCACTGGCCCT
GGCTTTGTTCTCCACCTCTTGCTCCAATCAGAGGTCCATTGTTTCCAGTGGATGCAAGA
GGCCCATCTTGAGAAGAGGACCTCTTTCCCCCACCTCCTCCAGGAGCCATGTTTGA
GCTTCTCGAGATTATTTCCACCAGGGGATTTCCAGGTCCACCACCTGCTCCATTTGCA
ATGAGAAAATGCTATCCACCAGGGGTTTTCTCCTTACCTTCCCCAAGACCTGGATTT
TTCCCCCACCCACATTCTGAAGGTAGAAGTGAGTTCCCTCAGGTTTGATTCCACCT
TCAAATGAGCCTGCTACTGAACATCCAGAACCACAGCAAGAAACCTGA

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**Restriction Sites:** Please inquire

**ACCN:** NM\_203356

**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).

<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>	<a href="#">NM_203356.1</a> , <a href="#">NP_976231.1</a>
<b>RefSeq Size:</b>	4303 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	4253
<b>UniProt ID:</b>	<a href="#">Q96PC5</a>
<b>Cytogenetics:</b>	14q21.1
<b>Protein Families:</b>	Transmembrane
<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 (4) differs in the 5' UTR and coding sequence, initiates translation at a downstream start codon, and uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 6. It encodes isoform 4, which is shorter at the N-terminus and lacks an internal segment compared to isoform 6. Unlike the other variants, this variant may exhibit testis-specific expression. Variants 4, 10, and 11 all encode the same isoform (4).</p>