

## Product datasheet for **RC218068**

### CTAGE5 (MIA2) (NM\_203356) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_203356) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTAGE5
Synonyms:	CTAGE5; MEA6; MGEA; MGEA6; MGEA11; TALI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC218068 representing NM\_203356  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTGGTGATATGTGCAGCTGTTGTTGGATTTT  
 TTGCTGTTCTCTTTTTTTGTGGAGAAGTTTTAGATCGGTTAGGAGTCGGCTTTATGTGGGACGAGAGAA  
 AAAGCTTGCTCTAATGCTTTCTGGACTAATTGAAGAAAAAAGTAACTACTTGAAAAATTTAGCCTTGTT  
 CAAAAAGAGTATGAAGGCTATGAAGTAGAGTCATCTTTAAAGGATGCCAGCTTTGAGAAGGAGGCAACAG  
 AAGCACAAAGTTTGGAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCTGAACTTGAGGATGAAATACT  
 CTGTCTAGAAAAAGATTAAAAGAAGAGAAATCCAAACATTCTGAACAAGATGAATTGATGGCGGATATT  
 TCAAAAAGGATACAGTCTCTAGAAGATGAGTCAAATCCCTCAAATCACAAAGTAGCTGAAGCCAAAATGA  
 CCTTCAAGATATTTCAAATGAATGAAGAACGACTGAAGATAGCAATAAAAGATGCTTTGAATGAAAATTC  
 TCAACTTCAGGAAAGCCAGAAACAGCTTTTGAAGAAGCTGAAGTATGGAAAGAACAAGTGAAGTGAACCT  
 AATAAACAGAAAAGTAAACATTTGAAGACTCCAAAGTACATGCAGAACAAGTTCTAAATGATAAAGAAAGTC  
 ACATCAAGACTCTGACTGAACGCTTGTTAAAGATGAAAGATTGGGCTGCTATGCTTGAGAGAGACATAAC  
 GGATGATGATAACTTGAATTAGAAAATGAACAGTGAATCGGAAAAATGGTCTTACTTAGATAATCTCCCA  
 AAAGGAGCTTTGAAGAACTGATTCATGCTGCTAAGTTAAATGCTTCTTTAAAAACCTTAGAAGGAGAAA  
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 TCTTCAGACTGAACAAGCATCTTGCAGTCAGAAAACACACATTTGAAAATGAGAATCAGAAGCTTCAA  
 CAGAAACTTAAAGTAACTGACTGAATTATATCAAGAAAAAGAACTCCACAGGAAATTAACAGTAG  
 AGGAAATTAATCGGTTAGAGAAAAGAGAAAACCTTTCTAAAGTAGATGAAAAGATCAGCCATGCCACTGA  
 AGAGCTGGAGACCTATAGAAAGCGAGCCAAAGATCTTGAAGAAGAATTGGAGAGAACTATTCATTCTTAT  
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 ACCTCAATGATTTAAGGAAAGAAAATGCTCACACAGACAAAAATTAAGTAAACAGAGCTTAAATTTGA  
 ACTTTTAGAAAAAGATCCTTATGCACTCGATGTTCCAAATACAGCATTGGCAGAGAGCATTCCCCATAT  
 GGTCCCTCACCATTGGGTTGGCCTTCATCTGAAACAAGAGCTTTTCTCTCTCCTCAACTTTGTTGGAGG  
 GTCCACTCAGACTCTCACCTTTGCTTCCAGGGGAGGAGGAAGAGGCTCACGAGGCCAGGGAATCCTCT  
 GGACCATCAGATTACCAATGAAAGAGGAGAATCAAGCTGTGATAGGTTAACCGATCCTCATAGGGCTCCC  
 TCTGACTGGTCTCTGTCACCTCCATGGGACCAGGACCGTAGGATGATGTTTCTCCGCCAGGACAAT  
 CATATCCTGATTCAGCCCTTCTCCACAAAGGCAAGACAGATTTTGTCTAATTCTGGTAGACTGTCTGG  
 ACCAGCAGAACTCAGAAGTTTTAATATGCCTTCTTTGGATAAAATGGATGGGTCAATGCCTTCAGAAATG  
 GAATCCAGTAGAAATGATACCAAGATGATCTTGGTAATTTAAATGTGCCTGATTCATCTCTCCCTGCTG  
 AAAATGAAGCCACTGGCCCTGGCTTTGTTCCCTCCACCTTTGCTCCAATCAGAGGTCATTTGTTCCAGT  
 GGATGCAAGAGGCCATCTTGAGAAGAGGACCTCTTTCCCCCACCTCCTCCAGGAGCCATGTTTGGA  
 GCTTCTCGAGATTATTTCCACCAGGGGATTTCCAGGTCACCACCTGCTCCATTTGCAATGAGAAATG  
 TCTATCCACCGAGGGGTTTTCTCTTACCTTCCCCAAGACCTGGATTTTTCCCCCACCCACATTC  
 TGAAGGTAGAAGTGAGTCCCCTCAGTTTGATTCCACCTTCAAATGAGCCTGCTACTGAACATCCAGAA  
 CCACAGCAAGAAACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**Cloning Scheme:**


**ACCN:** NM\_203356

**ORF Size:** 2325 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\\_203356.2](#), [NP\\_976231.1](#)

**RefSeq Size:** 3511 bp

**RefSeq ORF:** 2328 bp

**Locus ID:** 4253

**UniProt ID:** [Q96PC5](#)

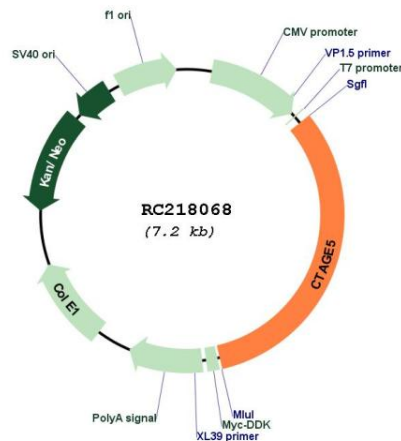
**Cytogenetics:** 14q21.1

**Protein Families:** Transmembrane

**MW:** 87.8 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC218068