OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC108811

CTAGE5 (MIA2) (NM_005930) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_005930) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTAGE5
Synonyms:	CTAGE5; MEA6; MGEA; MGEA6; MGEA11; TALI
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>NCBI ORF sequence for NM_005930, the custom clone sequence may differ by one or more nucleotides

ATGGAGGAGCCCGGGGTTACCCCTCAACCGTATTTGGGGCTGCTCCTGGAGGAGCTACGCAGGGTTGTGG
CAGCACTGCCTGAAGGTATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTGGTGATATGTGC
AGCTGTTGTTGGATTTTTTGCTGTTCTCTTTTTTTTGTGGAGAAGTTTTAGATCGGTTAGGAGTCGGCTT
TATGTGGGACGAGAGAAAAAGCTTGCTCTAATGCTTTCTGGACTAATTGAAGAAAAAAGTAAACTACTTG
AAAAATTTAGCCTTGTTCAAAAAGAGTATGAAGGCTATGAAGTAGAGTCATCTTTAAAGGATGCCAGCTT
TGAGAAGGAGGCAACAGAAGCACAAAGTTTGGAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCTGAA
CTTGAGGATGAAATACTCTGTCTAGAAAAAGAGTTAAAAGAAGAGAAATCCAAACATTCTGAACAAGATG
AATTGATGGCGGATATTTCAAAAAGGATACAGTCTCTAGAAGATGAGTCAAAATCCCTCAAATCACAAGT
AGCTGAAGCCAAAATGACCTTCAAGATATTTCAAATGAATGAAGAACGACTGAAGATAGCAATAAAAGAT
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AACAAGTGAGTGAACTTAATAAACAGAAAGTAACATTTGAAGACTCCAAAGTACATGCAGAACAAGTTCT
AAATGATAAAGAAAGTCACATCAAGACTCTGACTGAACGCTTGTTAAAGATGAAAGATTGGGCTGCTATG
CTTGGAGAAGACATAACGGATGATGATAACTTGGAATTAGAAATGAACAGTGAATCGGAAAATGGTGCTT
ACTTAGATAATCCTCCAAAAGGAGCTTTGAAGAAACTGATTCATGCTGCTAAGTTAAATGCTTCTTTAAA
AACCTTAGAAGGAGAAAGAAACCAAATTTATATTCAGTTGTCTGAAGTTGATAAAACAAAGGAAGAGCTT
ACAGAGCATATTAAAAATCTTCAGACTGAACAAGCATCTTTGCAGTCAGAAAACACACATTTTGAAAATG
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CAGGAAATTAACAGTAGAGGAAAATTATCGGTTAGAGAAAGAAGAGAAACTTTCTAAAGTAGATGAAAAG
ATCAGCCATGCCACTGAAGAGCTGGAGACCTATAGAAAGCGAGCCAAAGATCTTGAAGAAGAATTGGAGA
GAACTATTCATTCTTATCAAGGGCAGATTATTTCCCATGAGAAAAAAGCACATGATAATTGGTTGGCAGC
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GAGAGCATTCCCCATATGGTCCCTCACCATTGGGTTGGCCTTCATCTGAAACAAGAGCTTTTCTCTCTCC
TCCAACTTTGTTGGAGGGTCCACTCAGACTCTCACCTTTGCTTCCAGGGGGAGGAGGAAGAGGCTCACGA
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ATCCTCATAGGGCTCCCTCTGACACTGGGTCTCTGTCACCTCCATGGGACCAGGACCGTAGGATGATGTT
TCCTCCGCCAGGACAATCATATCCTGATTCAGCCCTTCCTCCACAAAGGCAAGACAGATTTTGTTCTAAT
TCTGGTAGACTGTCTGGACCAGCAGAACTCAGAAGTTTTAATATGCCTTCTTTGGATAAAATGGATGGGT
CAATGCCTTCAGAAATGGAATCCAGTAGAAATGATACCAAAGATGATCTTGGTAATTTAAATGTGCCTGA
TTCATCTCTCCCTGCTGAAAATGAAGCCACTGGCCCTGGCTTTGTTCCTCCACCTCTTGCTCCAATCAGA
GGTCCATTGTTTCCAGTGGATGCAAGAGGCCCATTCTTGAGAAGAGGACCTCCTTTCCCCCCACCTCCTC
CAGGAGCCATGTTTGGAGCTTCTCGAGATTATTTTCCACCAGGGGATTTCCCAGGTCCACCACCTGCTCC
ATTTGCAATGAGAAATGTCTATCCACCGAGGGGTTTTCCTCCTTACCTTCCCCCAAGACCTGGATTTTTC
CCCCCACCCCCACATTCTGAAGGTAGAAGTGAGTTCCCCTCAGGTTTGATTCCACCTTCAAATGAGCCTG
CTACTGAACATCCAGAACCACAGCAAGAAACCTGA

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005930 unedited
GGTGCAATATATTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGCCGG
TTGCCGGGTGCGGATTCGGGTTCCGGACCGAAGGCTGTGTGTTCTCCGCCGTTTATTGTG
GCCCCGACAGGCCGGGGTTACTGTGGCGACCACGAGAGCAGCTTTGGCGCTATGGAGGAG
CCCGGGGTTACCCCTCAACCGTATTTGGGGCTGCTCCTGGAGGAGCTACGCAGGGTTGTG
GCAGCACTGCCTGAAGGTATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTG
GTGATATGTGCAGCTGTTGTTGGATTTTTTGCTGTTCTCTTTTTTTTTGTGGAGAAGTTTT
AGATCGGTTAGGAGTCGGCTTTATGTGGGACGAGAGAAAAAGCTTGCTCTAATGCTTTCT
GGACTAATTGAAGAAAAAAGTAAACTACTTGAAAAATTTAGCCTTGTTCAAAAAGAGTAT
GAAGGCTATGAAGTAGAGTCATCTTTAAAGGATGCCAGCTTTGAGAAGGAGGCAACAGAA
GCACAAAGTTTGGAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCTGAACTTGAGGAT
GAAATACTCTGTCTAGAAAAAGAGTTAAAAGAAGAGAAATCCAAACATTCTGAACAAGAT
GAATTGATGGCGGATATTTCAAAAAGGATACAGTCTCTAGAAGATGAGTCAAAATCCCTC
ANATCACAAGTAGCTGAAGCCAAAATGACCTTCAAGATATTTCANATGAATGAAGAACGA
CTGAAGATAGCCATAAAAGATGCTTTTGAATGAANATTCTCAACTCCAGGAAAGCCAGAA
ACAGCTTTTTGCAGAAAGCTGAGTATGGAAAGAAACAGTGAGTGAACTTAATAAACAGAA
GTTACATTTGAAGACTCCAAGTC
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_005930 unedited
ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTATAGAAAAACTACTGAT
TTTATTATTATCAATGCCAAACAAATCTTTAAATCAACTATAATTTATTTAAGCATAAAG
TTACTTTCACATTTGTCCACAACCACAGTAAATACAGTTCTTGGCATAAAGACACAGACT
TCAGAATTTAAAGCCTCCCCACCTGAAAGATTACATATATAAAACTCCCACTATTGTTAA
TATAATAGGGGGGATAATTCAAATTGGAATAGGTTTACCCGGTTAAAATAAAAAGGGGAA
AATTTTTTCCCCCCAAGAAGACCTTTTTTTAAAAAATTTTTTTTTTTTAAAAAAAAAACT
CCTCCGGGGGAAAAATTATTAACCCCCCCTTCCCCCCCCCCCGGGGGGGGCGGAGGGGGG
GGGGGTTTTTTTTTTTTATATAAAACGCCGCTTCTTTTTTTTTGGAGGGGGGAGAGAGGA
GCCCGCCCCCCTTTTTTTTTTTTTTAAAAAAAAAAAAAAAAAAAGAAAAAAANCCTCTCT
TTGTGTGGGGTGGGGGGGGGCGGGTNNCCCCCCCCCTCCCCCTTCTTTTGGGGGGGGAGA
AAAAAAAGAGGGGGGGCGCCTCTCTTCTTCCTTCCCTCTTTGGGGGGGGGGGGGGGGGGG
GGGGGGAACACACACATCCTTCTGGGGGGGGGGGGGGGGGAAACACACCCACCCCTCCTC
CCCCTTTTTTCTTTTTTTTTTTTTTGTTTTNNGGGGGGGGGGGGGGGGGGCGGGGGGGG
CGGGGGGGGCCGCCCCTCCCTTTCCCCTTAAAATAATATAAAATAATTATCCCCCCCCTC
CTCCTCTCTCCCGGGGGGGGGGGGGGGGGGGNGGGGGGGGGGGAGGGNNANNTTATAN
TTTTTATTTNNTATTTCTTTCCCCCCCCCCATATNCACAAAGAAAGGAAAAAAAAAG
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Restriction Sites: NotI-NotI

ACCN: NM_005930

Insert Size: 3090 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).

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_005930.2, NP_005921.2
RefSeq Size:	3852 bp
RefSeq ORF:	2415 bp
Locus ID:	4253
UniProt ID:	Q96PC5
Cytogenetics:	14q21.1
Protein Families:	Transmembrane
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] Transcript Variant: This variant (1) uses an alternate in-frame splice junction at the 3' end of an exon compared to variant 6. It encodes isoform 1, which lacks an internal segment compared to isoform 6.