

Product datasheet for **RC221265**

CTAGE5 (MIA2) (NM_005930) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE5 (MIA2) (NM_005930) 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:

>RC221265 representing NM_005930
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAGCCCGGGTTACCCCTCAACCGTATTTGGGGCTGCTCCTGGAGGAGCTACGCAGGGTTGTGG
 CAGCACTGCCTGAAGGTATGAGACCAGATTCTAATCTTTATGGTTTTCCATGGGAATTGGTGATATGTGC
 AGCTGTTGTTGGATTTTTGCTGTTCTCTTTTTTTGTGGAGAAGTTTTAGATCGGTTAGGAGTCGGCTT
 TATGTGGGACGAGAGAAAAAGCTTGCTCTAATGCTTTCTGGACTAATTGAAGAAAAAGTAACTACTTG
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 TGAGAAGGAGGCAACAGAACACAAAGTTGGAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCTGAA
 CTTGAGGATGAAATACTGTCTAGAAAAAGATTAAAAGAAGAGAAATCCAACATTCTGAACAAGATG
 AATTGATGGCGGATATTTCAAAAAGGATACAGTCTCTAGAAGATGAGTCAAAATCCCTCAAATCACAAAGT
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 GCTTTGAATGAAAATTTCAACTTCAGGAAAGCCAGAAAACAGCTTTTGCAAGAAGCTGAAGTATGGAAG
 AACAAAGTGAGTGAACCTAATAAACAGAAAAGTAACATTTGAAGACTCCAAAGTACATGCAGAACAAAGTCT
 AAATGATAAAGAAAGTCACATCAAGACTCTGACTGAACGCTTGTAAAGATGAAAGATTGGGCTGCATG
 CTTGGAGAAGACATAACGGATGATGATAACTTGGAAATAGAAAAGAACAGTGAATCGGAAAATGGTGCTT
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 AACCTTAGAAGGAGAAAAGAAACCAATTTATATTCAGTTGTCTGAAGTTGATAAAAACAAAGGAAGAGCTT
 ACAGAGCATATTAATACTTTCAGACTGAACAAGCATCTTGCAGTCAGAAAACACACATTTTAAAAATG
 AGAATCAGAAGCTTCAACAGAAACTTAAAGTAATGACTGAATTATCAAGAAAAATGAAATGAAACTCCA
 CAGGAAAATTAACAGTAGAGGAAAATATCGGTTAGAGAAAAGAAGAGAAAATTTCTAAAGTAGATGAAAAG
 ATCAGCCATGCCACTGAAGAGCTGGAGACCTATAGAAAAGCGAGCCAAAAGTCTTGAAGAAGAAATGGAGA
 GAACTATTCATTCTATCAAGGGCAGATTATTTCCCATGAGAAAAAGCACATGATAATGGTTGGCAGC
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 ACAGAGCTTAAATTTGAACTTTTAGAAAAAGATCCTTATGCACTCGATGTTCCAAATACAGCATTGGCA
 GAGAGCATTCCCATATGGTCCCTACCATTGGGTTGGCCTTCATCTGAAACAAGAGCTTTTCTCTCTCC
 TCCAATTTGTTGGAGGGTCCACTCAGACTCTCACCTTTGCTTCCAGGGGAGGAGGAAGAGGCTCACGA
 GGCCAGGGAATCCTCTGGACCATCAGATTACCAATGAAAGAGGAGAATCAAGCTGTGATAGGTTAACCG
 ATCCTCATAGGGCTCCCTCTGACACTGGGTCTCTGTACCTCCATGGGACCAGGACCGTAGGATGATGTT
 TCCTCCGCCAGGACAATCATATCCTGATTCAGCCCTTCCCTCCACAAGGCAAGACAGATTTTGTCTAAT
 TCTGGTAGACTGTCTGGACCAGCAGAACTCAGAAGTTTTAATATGCCTTCTTTGGATAAAATGGATGGGT
 CAATGCCTTCAGAAATGGAAATCCAGTAGAAATGATACCAAGATGATCTTGGTAATTTAAATGTGCCTGA
 TTCATCTCTCCCTGCTGAAAATGAAGCCACTGGCCCTGGCTTTGTTCTCCACCTCTTGCTCCAGTCAGA
 GGTCCATTGTTCCAGTGGATGCAAGAGGCCATTCTTGAGAAGAGGACCTCCTTTCCCCCACCTCCTC
 CAGGAGCCATGTTGGAGCTTCTCGAGATATTTCCACCAGGGGATTTCCAGGTCCACCACCTGCTCC
 ATTTGCAATGAGAAATGTCTATCCACCGAGGGTTTTCTCTTACCTTCCCCAAGACCTGGATTTTTTC
 CCCCACCCACACTTCTGAAGGTAGAAGTGAAGTCCCTCAGGTTTATTCCACCTTCAATGAGCCTG
 CTAAGAACATCCAGAACCACAGCAAGAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221265 representing NM_005930
Red=Cloning site Green=Tags(s)

MEEPGVTPQPYLGLLLEELRRVVAALPEGMRPDSNLYGFPWELVICA AVVGVFFAVLFFLWRSFRSVRSRL
YVGREKKLALML SGLIEEKSKLLEKFSLVQKEYEGYEVESSLK DASF EKEATEAQSLEATCEKLNRSNSE
LEDEILCLEKELKEEKSKHSEQDEL MADI SKRIQSLEDESKSLKSQVAEAKMTFKIFQMNEERLKIAIKD
ALNENSQ LQESQKQLLQEA EVWKEQVSELNKQK VTFEDSKVHAEQVLNDKESH IKT LTERLLKMKDWAAM
LGEDITDDNLELEMNSESENGAYLDNPPKGALKKLIHAAKLNASLKTLEGERNQIYIQLSEVDKTK EEL
TEHIKNLQTEQASLQSENTHFENENQKLQKLVMT ELYQENEMKLRKLTVEENYRLEK EEKLSKVDEK
ISHATEELETYRKRAKDLEEEELERTIHSYQGQIISHEKKAHDNWL AARNAERNLNDLRKENAHRQKLTE
TELKFELLEKDPYALDVPNTAFGREHSPYGPSPLGWPSSETRAFLSPPTLLEGPLRLSPLLPGGGGRGSR
GPGNPLDHQITNERGESSCDRLTDPHRAPSDTGSLSPPWDQDRRMMFPPPGQSYPDALPPQRQDRFC SN
SGRLSGPAELRSFNMPSLDKMDGSMPSSESSRNDTKDDLGNLNVPDSSLPAENEATGPGFVPPPLAPVR
GPLFPVDARGPFLRRGPPFPFPPPPGAMFGASRDYFPPGDFPGPPPAPFAMRN VYPPRGFPFPPYLPPRPGFF
PPPPHSEGRSEFP SGLIPPSNEPATEHPEPQQET

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4124_f02.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_005930

ORF Size: 2412 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_005930.4](#)

RefSeq Size: 3852 bp

RefSeq ORF: 2415 bp

Locus ID: 4253

UniProt ID: [Q96PC5](#)

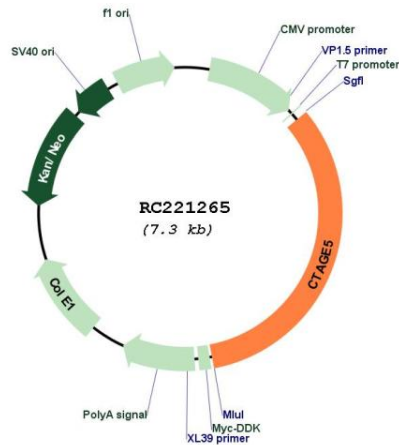
Cytogenetics: 14q21.1

Protein Families: Transmembrane

MW: 90.8 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 RC221265