

Product datasheet for **RC226160**

CTAGE4 (NM_198495) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTAGE4 (NM_198495) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTAGE4
Synonyms:	cTAGE-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226160 representing NM_198495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAGCCTGGTGTACCCCTCAGCCCTACCTGGGGCTGGTCTGGAGGAGCTACGCAGAGTTGTGG
 CAGCACTACCTGAGAGTATGAGACCAGATGAGAATCCTTATGGTTTTCCATCGGAACTGGTGGTATGTGC
 AGCTGTTATTGGATTTTTTGTGTTCTCCTTTTTTTGTGGAGAAGTTTTAGATCGGTTAGGAGTCGGCTT
 TACGTGGGAAGAGAGCAAAAACCTGGTGAACGCTTTCTGGACTAATTGAAGAAAAATGAACTACTTTG
 AAAAGTTTAGCCTTATTCAAAAAGAGTATGAAGGCTATGAAGTAGAGTCATCTTTAGAGGATGCCAGCTT
 TGAGAAGCGGCAGCAGAAGAAGCACGAAGTTGGAGGCAACCTGTGAAAAGCTGAACAGGTCCAATTCT
 GAACCTGAGGATGAAATCCTGTCTAGAAAAAGACTTAAAAGAAGAGAAATCTAAACATTCTCAACAAG
 ATGAATTGATGGCGGATATTTAAAAAGTATACAGTCTCTAGAAGATGAGTCAAAATCCCTCAAATCACA
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 GGAAAGGAGAAGTGAGTGAACCTAATAAACAGAAAAATAACATTTGAAGACTCCAAAGTGCACGCAGAAAC
 AGTTCTGAATGATAAAGAAAAATCACATCAAGACCTGACTGGACACTTGCCAATGATGAAAGATCAGGCT
 GCTGTGCTTGAAGAAGACACAACGGATGATGATAACCTGGAATTAGAAGTGAACAGTCAATGGGAAAAATG
 GTGCTAACTTAGATGATCCTCTGAAAGGAGCTTTGAAGAACTGATTCATGCTGCTAAGTTAAATGTTTT
 TTTAAAAAGCTTAGAAGGAGAAAAGAACCAATTATTATTCAGTTATCTGAAGTGGACAAAAACAAAGGAA
 GAGCTTACAGAGCATATTAATACTTCAGACTCAACAAGCATCTTTGCAATCAGAAAACATATATTTTTG
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 GAAAAGATCAGCCGTGCCACTGAAGGGCTGGAGACCTATAGAAAGCTAGCCAAAGATCTTGAAGAAGAAT
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 TTGGCAGAGAGCATTCCCATGTAGTCCCTCACCATTGGGTCGGCCTTCATCTGAAACGAGAGCTTTTCC
 CTCTCCTCAAACCTTTGTTGGAGGATCCACTCAGACTCTCACCTGTGCTTCCAGGGGGAGGAGGAAGAGGC
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 GATGTTTTCTCCACCAGGCAATCATATCCTGATTCAACTCTTCTCCACAAAGGGAAGACAGATTTTAT
 TCTAATTTCTGAAAGACTGTCTGGACCAGCAGAACCAGAGTTTTAAAATGACTTCTTTGGATAAAATGG
 ATAGGTCAATGCCTTCAGAAATGGAATCCAGTAGAAATGATGCCAAAGATGATCTTGGTAATTTAAATGT
 GCCTGATTCATCTCTCCCTGCTGAAAATGAAGCAACTGGCCCTGGCCTTATTCCTCCACCTCTTGCTCCA
 ATCAGCGGTCCATTGTTCCAGTGGATAACAAGGGGCCGTTTATGAGAAGAGGACCTCCTTTCCCCCAC
 CTCCTCCAGGAACCATGTTTGGAGCTTCTCGAGGTTATTTCCACCAAGGGATTTCCAGGTCCACCACA
 TGCTCCATTTGCAATGAGAAACATCTATCCACCGAGGGGTTACCTCCTACCTTCATCCGAGACCTGGA
 TTTTACCCAACCCACATTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226160 representing NM_198495
Red=Cloning site Green=Tags(s)

MEEPGATPQPYLGLVLEELRRVVAALPESMRPDENPYGFPSSELVCAAVIGFFVLLFLWRSFRSVRSRL
YVGREQLGATLSGLIEEKCKLLEKFSLIQKEYEGYEVESSELEDAFKAEEEEARSLEATCEKLNRSNS
ELEDEILCLEKDLKEEKSKHSQQDELMADISKSIQSLEDESKSLKSQIAEAKIICKTFKMSEERRAIAIK
DALNENSQQLTSHKQLFQQEAEVWKGEVSELNKQKITFEDSKVHAEQVLNDKENHIKTLTGHLPMMDQA
AVLEEDTTDDNLELVNSQWENGANLDDPLKGALKKLIHAAKLVSLKSEGERNHIIQLSEVDKTK
ELTEHIKNLQTQQASLQSENIYFESENQKLQKLIKIMTEFYQENEMKLYRKLTVENYRIEEEEKLSRVE
EKISRATEGLETYRKLAKDLEEEELERTVHFYQKQVISYEKRGHDNLAARTAERNLSDLRKENAHNKQKL
TETELKFELLEKDPNALDVSNTAFGREHSPCSPSPLGRPSSETRAFPSPQTLLEDPLRLSPVLPGGGGRG
PSSPGNPLDHQITNERGEPYDRLIDPHRAPSDTGSLSSPVEQDRRMFPPPGQSYDSTLPPQREDRFY
SNSERLSGPAEPRSFKMTSLDKMDRSMPEMESSRNDKDDLGNLNPDSLPAENEATGPGLI PPPLAP
ISGPLFPVDTRGPFMRRGPPPPPPGTMFGASRGYFPPRDFGPPHAPFAMRNIYPPRGLPPYLHPRPG
FYPNPTF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_f01.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_198495

ORF Size: 2331 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_198495.2](#), [NP_940897.2](#)

RefSeq ORF: 2334 bp

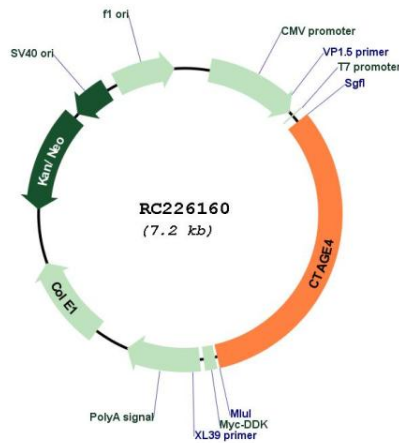
Locus ID: 100128553

UniProt ID: [Q8IX94](#)

Cytogenetics: 7q35

MW: 87.8 kDa

Product images:



Circular map for RC226160