

Product datasheet for RC221617

ADAMTS16 (NM_139056) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ADAMTS16 (NM_139056) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAMTS16
Synonyms:	ADAMTS16s
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221617 representing NM_139056 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCCCGCGCGCGGATGGCGGGCTTGGCGGCGCTGTGGATGCTGTTGGCGCAGGTGGCCGAGC
AGGCACCTGCGTGCGCCATGGGACCCGACGCGGCAGCGCCTGGGAGCCCGAGCGTCCCGCGTCTCTCTCC
ACCCGCGGAGCGGCCGGCTGGATGGAAAAGGGCGAATATGACCTGGTCTCTGCCTACGAGGTTGACCAC
AGGGGCGATTACGTGTCCATGAAATCATGCACCATCAGCGCGGAGAAGAGCAGTGCCCGTGTCCGAGG
TTGAGTCTTTCACCTTCGGCTGAAAGGCTCCAGGCACGACTTCCACATGGATCTGAGGACTTCCAGCAG
CCTAGTGGCTCCTGGCTTATTGTGCAGACGTTGGGAAAGACAGGCACTAAGTCTGTGCAGACTTTACCG
CCAGAGGACTTCTGTTTCTATCAAGGCTCTTTCGATCACACAGAACTCCTCAGTGGCCCTTTCAACCT
GCCAAGGCTTGTGAGGATGATACGAACAGAAGAGGCAGATTACTTCTAAGGCCACTTCTTTCACACCT
CTCATGGAACTCGGCAGAGCTGCCAAGGCAGCTCGCCATCCCACGTAAGTGTACAAGAGATCCACAGAG
CCCCATGCTCCTGGGCCAGTGAGGTCCTGGTGACCTCAAGGACATGGGAGTGGCACATCAACCCCTGC
ACAGCAGCGACCTTCGCTGGGACTGCCACAAAAGCAGCATTTCTGTGGAAGACGCAAGAAATACATGCC
CCAGCCTCCCAAGGAAGACCTTTCATCTTCCAGATGAGTATAAGTCTTGCTTACGGCATAAGCGCTCT
CTTCTGAGGTCCCATAGAAATGAAGAAGTGAACGTGGAGACTTGGTGGTGGTGGTGGTGGTGGTGGTGGT
AAAACCATGGCCATGAAAATATCACCACTACGTGCTCAGGATACTCAACATGGTATCTGCTTTATTCAA
AGATGGAACAATAGGAGGAAACATCAACATTGCAATTGTAGTCTGATTCTTCTAGAAGATGAACAGCCA
GGACTGGTATAAGTACCACGCAGACCACACCTTAAGTAGTCTTCTGCCAGTGGCAGTCTGGATTGATGG
GGAAAGATGGGACTCGTCATGACCACGCCATCTTACTGACTGGTCTGGATATATGTTCTGGAAGAATGA
GCCCTGTGACACTTTGGGATTTGCACCCATAAGTGAATGTGTAGTAAATATCGCAGCTGCACGATTAAT
GAAGATACAGGTCTTGGACTGGCCTTACCATTGCCATGAGTCTGGACACAACCTTTGGCATGATTCATG
ATGGAGAAGGGAACATGTGCAAAAAGTCCGAGGGCAACATCATGTCCCCTACATTGGCAGGACGCAATGG
AGTCTTCTCCTGGTACCCTGCAGCCGCCAGTATCTACACAAATTTCTAAGCACCCTCAAGCTATCTGC



[View online »](#)

CTTGCTGATCAGCCAAAGCCTGTGAAGGAATACAAGTATCCTGAGAAATTGCCAGGAGAATTATATGATG
CAAACACACAGTGCAAGTGGCAGTTCGGAGAGAAAAGCCAAGCTCTGCATGCTGGACTTTAAAAAGGCAT
CTGTAAAGCCCTGTGGTGCCATCGTATTGGAAGGAAATGTGAGACTAAATTTATGCCAGCAGCAGAAGGC
ACAATTTGTGGGCATGACATGTGGTGCCGGGAGGACAGTGTGTGAAATATGGTGATGAAGGCCCAAGC
CCACCCATGGCCACTGGTCGGACTGGTCTTCTTGGTCCCCATGCTCCAGGACCTGCGGAGGGGAGTATC
TCATAGGAGTGCCTCTGCACCAACCCCAAGCCATCGCATGGAGGGAAGTCTGTGAGGGCTCCACTCGC
ACTCTGAAGCTCTGCAACAGTCAGAAATGTCCCGGGACAGTGTGACTTCCGTGCTCAGTGTGCCG
AGCACAACAGCAGACGATTAGAGGGCGGCACTACAAGTGAAGCCTTACACTCAAGTAGAAGATCAGGA
CTTATGCAAACCTACTGTATCGCAGAAGGATTTGATTTCTTCTTTCTTTGTCAAATAAAGTCAAAGAT
GGGACTCCATGCTCGGAGGATAGCCGTAATGTTTGTATAGATGGGATATGTGAGAGAGTTGGATGTGACA
ATGTCCTTGGATCTGATGCTGTTGAAGACGTCTGTGGGTGTGTAAACGGGAATAACTCAGCCTGCACGAT
TCACAGGGGTCTTACACCAAGCACCACCACCAACCAGTATTATCACATGGTCACCATTCTTCTGGA
GCCCGGAGTATCCGCATCTATGAAATGAACGTCTACCTCCTACATTTCTGTGCGCAATGCCCTCAGAA
GGTACTACCTGAATGGGCACTGGACCGTGGACTGGCCCGCCGGTACAAATTTTCGGGCACTACTTTCGA
CTACAGACGGTCTATAATGAGCCGAGAACTTAATCGTACTGGACCAACCAACGAGACTGATTGTG
GAGCTGCTGTTTCAGGGAAGGAACCCGGGTGTTGCCTGGGAATACTCCATGCCTCGCTTGGGGACCAGAA
AGCAGCCCCCTGCCAGCCAGCTACACTTGGGCCATCGTGCGCTCTGAGTGTCCGTGTCTGCCGAGG
GGGACAGATGACCGTGAGAGAGGGCTGCTACAGAGACCTGAAGTTTCAAGTAAATATGTCCTTCTGCAAT
CCCAAGACACGACCTGTACGGGGCTGGTGCCTTGCAAAGTATCTGCCTGTCTCCACAGCTGGTCCGTGG
GGAAGTGGAGTGCCTGCAGTCCGACGTGTGGCGGGGTGCCAGAGCCGCCCGTGCAGTGCACACGGCG
GGTGCATATGACTCGGAGCCAGTCCCGGCCAGCTGTGCCCTCAGCCTGCTCCCTCCAGCAGGCAGGCC
TGCAACTCTCAGAGCTGCCACCTGCATGGAGCGCCGGGCCCTGGGCAGAGTGTCTCACACACCTGTGGGA
AGGGGTGGAGGAAGCGGCAGTGGCTGTAAGAGCACCAACCCCTCGGCCAGAGCGCAGTGTCTGCCCGA
CGCTGTCTGCACCTCCGAGCCCAAGCCAGGATGCATGAAGCCTGTCTGCTTTCAGCGCTGCCACAAGCCC
AAGAAGCTGCAGTGGCTGGTGTCCGCTGGTCCAGTGTCTGTGACATGTGAAAGAGGAACACAGAAAA
GATTCTTAAAAATGTGCTGAAAAGTATGTTTCTGGAAAGTATCGAGAGCTGGCCTCAAAGAAGTGTCA
TTTGCCGAAGCCAGCCTGGAGCTGGAACGTGCCTGCGCCCCGCTTCCATGCCCCAGGCACCCCCATTT
GCTGCTGCGGGACCCTCGAGGGGACGTGGTTTGCCTCACCTGGTCTCAGTGCACGGCCAGCTGTGGGG
GAGGCGTTCAGACGAGGTCGTGCAGTGCCTGGTGGGGGCCGGCCCTCAGGCTGCCTCCTGCACCA
GAAGCCTTCGGCCTCCCTGGCCTGCAACACTCACTTCTGCCCCATTGCAGAGAAGAAAGATGCCTTCTGC
AAAGACTACTTCCACTGGTGTACTGTACCTGGTACCCAGCACGGGATGTGCAGCCACAAGTCTACGGCAAGC
AGTGTGCAAGACTTGTCTAAGTCCAATTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221617 representing NM_139056
Red=Cloning site Green=Tags(s)

```

MKPRARGWRGLAALWMLLAQVAEQAPACAMGPAAPGSPSPVPRPPPAERPGWMEKGEYDLVSAYEVDH
RGDYVSHEIMHHQRRRAVPVSEVESLHLRLKGSRHFHMDLRTSSSLVAPGFIVQTLGKTKSVQTLPL
PEDFCFYQGSLRSHRNSSVALSTCQGLSGMIRTEEADYFLRPLPSHLWKLGRAAQSSPSHVLYKRSTE
PHAPGASEVLVTSRTWELAHQPLHSSDLRLGLPQKQHF CGRRKKYMPQPKEDLFLPDEYKSLRHKRS
LLRSHRNEELNVELVVDKMMQNHGHENITTYVLTILNMVSALFKDGTIGGNIINIAIVGLILLEDEQP
GLVISHHADHTLSSFQWQSGLMGKDGTRHDHAILLTGLDICSWKNEPCDTLGFAPISGMCSKYRSTIN
EDTGLGLAFTIAHESGHNFMIHDGEGNMCKKSEGNIMSPTLAGRNGVFSWSPCSRQYLHKFLSTAQAIC
LADQPKPVKEYKYPEKLPGELYDANTQCKWQFGEKAKLCMLDFKKDICKALWCHRIGRKCETKFMPEAEG
TICGHDMWCRGGQCVKYGDEGPKPTHGHWSDWSSWSPCSRTCGGGVSHRSRLCTNPKPSHGKFCGEGSTR
TLKLCNSQKCPRDSVDFRAAQCAEHNSRRFRGRHYKWKPYTQVEDQDLCKLYCIAEGDFDFSLSNKVKD
GTPCEDSRNVCIDGICERVGCDNVLGSDAVEDVCGVCNGNSACTIHRGLYTKHHHTNQYHYHMTIPSG
ARSIRIYEMNVSTSYISVRNARRYYLNGHWTVDWPGRYKFSGTTFDYRRSYNEPENLIATGPTNETLIV
ELLFQGRNPGVAWEYSMPRLGTEKQPPAQPSTWAIVRSECSVSCGGQMTVREGCYRDLKFQVNMFCN
PKTRPVTGLVPCKVSACPPSWSVGNWSACSRTCGGGAQSRPVQCTRRRVHYDSEVPASLCPQPAPSSRQA
CNSQSCPPAWSAGPWAECSTCGKGRKRAVACKSTNPSARAQLLPDAVCTSEPKPRMHEACLLQRCHKP
KKLQWLSAWSQCSVTCERGTQKRFLKCAEKYVSGKYRELASKKCSHLPKPSLELERACAPLPCPRHPPF
AAAGPSRGSWFASPWSQCTASCGGGVQTRSVQCLAGGRPASGCLLHQKPSASLACNTHFCPIAEKKDAFC
KDYFHCWYLVQHGMCCHKFYGKQCCKTCSKSNL
    
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8012_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

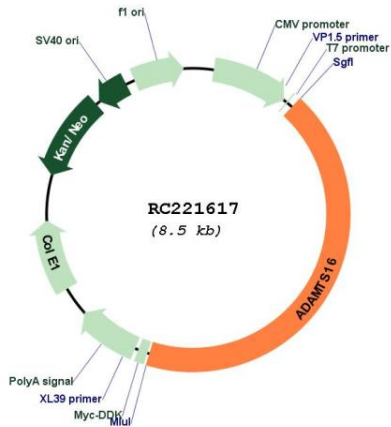


ACCN: NM_139056

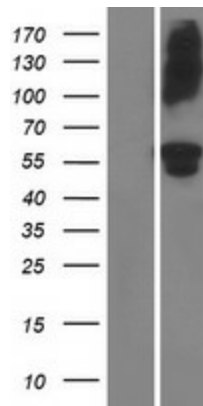
ORF Size: 3672 bp

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:	<ol style="list-style-type: none">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_139056.4
RefSeq Size:	4974 bp
RefSeq ORF:	3675 bp
Locus ID:	170690
UniProt ID:	Q8TE57
Cytogenetics:	5p15.32
Protein Families:	Protease
MW:	133.4 kDa
Gene Summary:	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. ADAMTS family members share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The encoded preproprotein is proteolytically processed to generate the mature protein, which may inhibit chondrosarcoma cell proliferation and migration. This gene may regulate blood pressure. [provided by RefSeq, May 2016]

Product images:



Circular map for RC221617



Western blot validation of overexpression lysate (Cat# [LY408406]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221617 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).