

Product datasheet for **RR217550**

Adamts18 (NM_001191944) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamts18 (NM_001191944) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adamts18
Synonyms: RGD1560118
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217550 representing NM_001191944
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTGCGCCCTCTGTTCCTGTGCGCCCTCCGGGCCCGCGTCTGGGCCCGCGTGGGGCCCGCGG
GACTGGCGCGTCTGGCCAAGGCCTCCAGCTGTGCTGCCTCTGCTGTGCTTCGGTGGCCGTCGCCTTAGC
CAGTGACAGCGGCAGCAGCGGTGGCAGCGGATTAATGATGATTACGTCTTTGTCGTGCCAGTAGAAGTG
GACTCGGGCGGGTCAATATTTTCGACGACATTTTGCACAACAGGAAAAGGCGATCGGCACACGGTGCCA
GCAGCTCCGTGCACTACCGCTTTTCAGCATTGGACAGGATCTACACTTAGAGCTTAAGCCCTCGGCCT
TTTGAGCAGTCACTTTATAGTCCAGTACTTGGAAAGGATGGTGTTCAGAGACTCGGGAGCCTGCGGTG
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CCGGCTTGTGAGGTCTGATAAGGACACGAGACAATGAATTCCTCATCTCACCGCTACCTCAGTGTGCG
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CCCCGAGAGCCTGTGTTCCAGCAGCCCCAAACCCGAGGCACAGGAGGGCTGTGTGCTGGGACGGTGCCCC
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ACGCGTACGCGGCGCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217550 representing NM_001191944
 Red=Cloning site Green=Tags(s)

MECALLFLCALRAAGPPWPAGLARLAKALQLCCLCCASVAVALASDSGSSGGSLNDDYVFPVPEV
 DSGGSYISHDILHNRKRRSAHGASSSVHYRFSAFGQDLHLELKPSALLSSHFIQVVLGKDGASETRPAV
 VQCLYQGFIRNDLSAVSTCAGLSGLIRTRDNEFLISPLQLLAQQHNYSLPAGHHPHVLKRTAEK
 RVRRYQDYPASQRTYPGHSPSHTPPASQSQETEYRHRRWQKQHF CGRRKKYAPKPPAEDAYLRFDEYGA
 GRPRRSARKSQKGLNVETLVVADAKMVEKHGKDDVTYILTVMNMVSSLFKDGTIGSDINIVVSLILLE
 DEPGGLLINHHADQSLNSFCQWQSALVGKNGKRHDHAILLTGFDICSWKNEPCDTLGFAPISGMCSKYRS
 CTINEDTGLGLAFTIAHESGHNF GMVHDGEGNPCRKAEGNIMSPTLTGNNGVFSWSSCSRQYLKFLSTP
 QAGCLVDEPKQTGQYKYPDKLPGQIYDADTQCKWQFGAKAKLCSLGMKDIKSLWCHRVGHRCEKTFMP
 AAEGTVCGLSMWCROGQCVRLGDLGPRPIHGQWSAWSKWECSRTC GGGVQYQERHCSNPKPQYGGKYCP
 GSSRIYKLCNINPCHENSLDFRAQQCAEYNNKPF RGLYRWRPYTKVEEEDRCKLYCKAENFEFFAMSG
 KVKGDTPCSPHRNDVCIDGICEPVGCDHEL GSKAVSDACGVCKGDNSTCKFYKGLYLSQHKANEYYPVVT
 IPAGARSIEIQELELSSSYLAVRSLSQKYLTGGWNIDWPGDFTFAGTTFEYQRPFRPERLYAPGPTNE
 TLVFEILTQGKNPGITWKYALPKVMNVTQPAAKRHHHTWRTVQSDCSVTGGGYYISIKAICLRDNQTVN
 SSFCSVRTKPATEPKLCLNAFSCPAYWLPGEWSTCSKSCAGGQSRKIRCVCQKPFQKEEAVLHSLCPVST
 PTQVQVCNSHACPEWSPGPWSQCSKTCGRGVRREVLCTSPAETLPESLCS SSPKPEAQEGCVLGRCP
 KNNRLQWIASAWTECSATCGLGVRKREFKMEKTLQGLMTFPERRCRNIKPNLELEETCNRRACPVYS
 MAAGWYSSPWQQCTVTCGGGVQTRSVHCMQQGRPSSSCLLHQKPPVLRACNTNFCVPVEKRDDPSCVDF
 SWCRLVPQHGVCNHKFYKQCCRSCSRKS

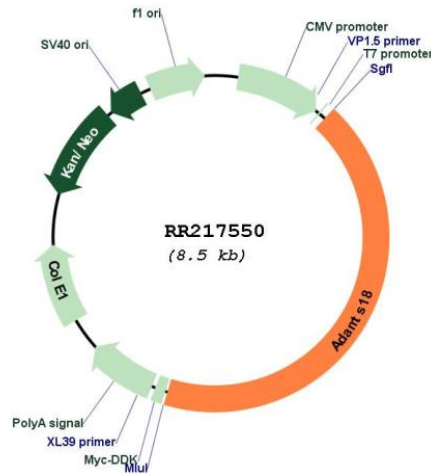
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001191944

ORF Size: 3657 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_001191944.1](#), [NP_001178873.1](#)

RefSeq Size: 3882 bp

RefSeq ORF: 3660 bp

Locus ID: 361412

Cytogenetics: 19q12

MW: 135.5 kDa