

Product datasheet for RN213357

Adamts2 (NM_001137622) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts2 (NM_001137622) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Adamts2
Synonyms:	RGD1565950
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213357 representing NM_001137622 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCCGCCGGCGGGAGCCGCTCGCTGCCTGCTCTGCCCGCTCTACTGCTGCTGCTACTGCTGCCG
CGCCGCTCTCTTGTGCTGCCGCCGCCCGCGAGCGCCCGGCTCGTCGCTGCCACGGAGACCCAGG
CGGGCCCCGGGTACGGAGCCGAGCGCATCCTGGCGGTGCCGCTGCGCACTGACGCCAGGGCCGCTT
GTGTCCCACGTGGTATCTTTGGAGACAGCCGGGGGGTACGTGCCCGCAGAGCTGCCCGGTCCAGA
CCTCCGGCTTGCCGGAGGCGCTGAGCAGACCCTGGAGGACGCCTCTTCTACAACCTCACAGTATTCGG
CCGAGACCTGCACCTGCGGCTGCGGCCAACGCTCGGCTCGTGGCTCCCGGTGCCACTGTGGAGTGGCAG
GGTGAGACGGGTGACACCCGAGTGGAGCCTCTGCTTGGGACCTGTCTCTACGTTGGAGACGTGGCAGACT
TACCTAAAACCTCCTCGGTGGCGCTCAGTAACTGTGATGGGCTGGCTGGCTGATCCGGATGGAGGAGGA
GGAGTTCTTTATCGAGCCTCTGGAGAAGGGTCAGACGGATCAGGAGGCTGAACAAGGCCGAGTGCATGTG
GTATATCGCCGACCGCCACTCCCAAGCCCCCTCCTGTGGGCGGACCACAGGCTCTGGACACAGGAGCCT
CCCAGGGCAACCTGGACAGCCTCAGCAGAGCCCTAGGTGTCTGGAGGAGCGCATCAACAGCTCACGGCG
GAGGTTGCGCAGGCACGCTACGGACGATGACTACAACATTGAGGTCTCTGGGCGTGGATGATTCCTGTG
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ACCATGACGAGTCGTTGGGGGCCACATCAACGTTGTGCTGGTGAGGATTATCCTGCTGAGTCACGCGAA
GTCCATGAGCCTCATTGAGATTGAAACCCCTCTCAGAGTCTGGAGAACGCTCTGCCGATGGGCTACCTC
CAGCAGAAGCCAGACACAGACCAGATGAGTACCACGATCATGCCATCTTCTACTAGACAGGACTTCG
GGCCCTCCGGCATGCAAGGCTATGCTCCCGTCACTGGGATGTGCCATCCCGTCCGAGCTGCACCCTGAA
CCATGAGGATGGCTTCTCCTCGGATTTGTGGTGGCTCATGAGACGGCCATGTGCTGGGATGGAGCAC
GATGGGCAAGGCAACCGCTGTGGTACGAGGTACGGCTGGGCAGCATCATGGCACCCTGGTACAGGCTG
CCTTCCATCGATTCCACTGGTCCCGCTGCAGCCAGCAGGAGCTCAGCCGCTACCTGCATTCTATGACTG
CCTGCGGGATGACCCCTCGCCACGACTGGCCGGCATTGCCTCAGCTCCAGGGCTGCACTACTCCATG



AACGAGCAGTGTCTGTTTCGACTTTGGCCTGGGTTACATGATGTGCACTGCGTTCCGGACCTTTGACCCCT
 GCAAACAGCTATGGTGCAGCCACCCAGATAACCCCTACTTTTGAAGACAAAAGAAGGGCCACCTCTGGA
 TGGGACTATGTGTGCACCTGGCAAGCACTGCTTCAAAGGCCACTGCATCTGGCTGACACCAGATATCCTC
 AAACGGGATGGCAACTGGGGTGCCTGGACTCCGTTTGGCTCCTGCTCGCGCACCTGTGGCACAGGCGTGA
 AGTTCCAGGACCCGCCAGTGTGACAGCCACATCCAGCCAACGGGGGCCGACCTGCTCGGGCCTGGCCTA
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 CAGTGGGACCTGTACTTCGAGCACGGTGTGCCAGCACCCTGGCTGCCTCATGAGCACCGGGATGCCA
 AGGAGAGATGCCATCTCTACTGCGAGTCCAAGGAGACAGGGGAGGTGGTCTCCATGAAGCGCATGGTGCA
 CGATGGGACACGCTGCTCCTACAAGGACGCTTACGCTCTGTGTGCGTGGAGACTGCAGAAAAGTGGGC
 TGTGACGGGGTGTGCGGCTCCCGCAAGCAGGAAGACAAGTGTGGTGTGTGTGGAGGTGACAACCCCACT
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 TGCAGGAGCCAGACACCTGCTCATCCAGAAAAGTACACCACCAGCCACCATCTGTCTGTCAAGAACCTG
 GAGACAGGCAAGTTCATCTTAAATGAAGAGAACCCTTGGACCCCAATTCTAGATCCTTCATCGCCATGG
 GTGTGGAGTGGGAGTACAGGAATGAGGATGAGAGGGAGACGCTGCAGACCATAGGCCCACTCCACGGAAC
 CATCACCGTGTGTTATTCCCGAAGGAGACGCCCGGATCTCACTGACATACAAAATACATGATCCACGAG
 GACTCCCTCAATGTTGAGGACAACAATGCTCTGGAAGATGACTCCGTACGCCACGAGTGGGCCCTGAAGA
 AGTGGTCTCCCTGCTCCAAGCCCTGCGGTGGAGGGTCCCAGTTCCTAAGTATGGCTGCCGCCGGAGGCT
 GGACAGCAAGATGGTGCACCGAGCCTTCTGCACTGCCCTCGCAAAGCCAAAGCCATCCGCCGAGCTTGC
 AACCCCTCAGGAGTGTCTCCAGCCTGTGTGGGTACCCGGGGAAATGGGAGCCTTGTACTCAGAGCTGTGGGC
 GAACGGGCATGCAGGTGCGCTCCGTCCGCTGTATTCAACCTCTGCACAACAACACCACCCGCTCCGTGCA
 CACCAAACTGCAACGACCACCGTCTGAGAGCCGCCGGCCTGCAACCGTGAGCTCTGCCCTGGGCGG
 TGGCGGGCTGGTCTGTTCCAGCCAGGAAACAGCTCAGATCCCTCCAAGAAGAGCTACGTGTTTCACT
 GGCTGTCCCGGCTGATCCTGATTCGCCCATCCAGAAGATCTCGTCAAAGGACCAGTGCCAAGGCGACAA
 GTCAATGTTCTGTAGGATGGAAGTCTTGTCCCGCTATTGCTCCATCCCCAGTTACAACAAGCTCTGTTGC
 AAGTCTCGACGCCGAACCTCGGCCACGAGAAGACAGAGGCTCGGAACCTCCTCCGGGGAAGCACAAACG
 ACATCGACGTGTTTATGCCACCCTCCCGGGGCCACTGTGGCTACGCAGGTGCAGCCTTCTCCAGGGCC
 TCCTCTGGAGGCCCCCTCAATGTCTCCATCGCTAATGCCACTGAAGATCACCCAGAAACCAATGCCGTG
 GATGTCCCTACAAAATCCACGGCGTGGATGAAGAGGCCAGTCTCCCAACTGATCCCTCGACGGCCAA
 GCCCGTACGTAAGACAAGGAACCAAGAATCCAGGAGCTCATTACGCGGCGCAGAGAAAAGAGAAGCC
 GGGAAAGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Chromatograms: https://cdn.origene.com/chromatograms/ja3172_h02.zip
- Restriction Sites: Sgfl-Mlul
- ACCN: NM_001137622
- Insert Size: 3513 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001137622.1](#), [NP_001131094.1](#)

RefSeq Size: 3794 bp

RefSeq ORF: 3513 bp

Locus ID: 287899

Cytogenetics: 10q22