

Product datasheet for **MC229366**

Adamts2 (NM_001277305) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamts2 (NM_001277305) Mouse Untagged Clone
Tag: Tag Free
Symbol: Adamts2
Synonyms: ADAM-TS2; ADAMTS-2; ADAMTS-3; hPCPNI; mKIAA4060; PCINP; pNPI
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229366 representing NM_001277305
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCGCCGGCGGGAGCCGCTCGCCGCTGCTCTGCCCGCTCTACTGCTGCTGCTGCTGCCCGCCG
 CGCCTCTCTGCTGCTGCCGCCGCCGCCGCGAGCGTCCGGCTCGTCGCCGCCACCGAGCCCCAGGCGG
 GCCCCCGGGCAAGGAGCCGAGCGCATCTGGCGGTGCCGTGCCACTGACGCCAGGGCCGCTTGGTG
 TCCCACGTGGTGTCTTTGGAGACGGCCGGGGCGGGGTACGAGCCCGCAGAGCTGCCCTGGACCAGACCT
 CGGGCTTGCCCGGAGGCGCTGCTCAGGACCTGGAGGACGCTTTTCTACAACCTCACAGTATTCGGCCG
 AGACCTGCACCTGCGGCTGCGGCCAACGCCCGGCTCGTGGCTCCGGGGGCCACCGTGGAGTGGCAGGGT
 GAGACGGGTGACACCCGAGTGGAGCCCCTGCTTGGGAGCTGTCTCTACGTTGGAGACGTGGCAGACTTAC
 CTAAGCCTCCTCGTGGCGCTCAGTAAGTGTGATGGCTGGCTGGTCTGATCCGGATGGAGGAGGAGGA
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 GGTGCGCAGGCATGCCACGGACGATGACTACAACATTGAGGTCCTGCTGGGTGTGGATGACTCGGTGGTC
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 CATGAGCCTCATTGAGATTGAAACCCCTCTCAGAGTCTGGAGAATGTCTGCCGATGGGCTACCTCCAG
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 TCCATCGCTTCCACTGGTCCCGCTGCAGCCAGCAGGAGCTCAGCCGCTACCTGCATTCTATGACTGCCT
 GCGGGATGATCCCTTCGCCACGACTGGCCAGCATTGCCTCAACTCCCAGGGCTTCACTATTCCATGAAC
 GAGCAGTGTGCTTTGACTTTGGCTGGTTACATGATGTGACTGCGTTCCGGACCTTCGACCCCTGCA



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AACAGCTCTGGTGCAGCCACCCAGACAACCCCTACTTTTGAAGACAAAGAAGGGTCTCCACTGGATGG
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CGAGACGGCAACTGGGGTGCCTGGACTCCGTTTGGCTCTGCTCACGCACCTGTGGCACAGGCGTGAAGT
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TGGGACCTGTACTTTGAGCACGGTGTGTCAGCACCCTGGCTGCCTCATGAGCACCGGATGCCAAGG
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CACCGTGTGGTTATTCCTGAAGGAGACACCAGGATCTCACTGACATACAAATACATGATTACAGAGGAC
TCCCTCAATGTTGACGACAACAATGTCTGGAAGATGATGCTGTGCGCCACGAGTGGGCCCTGAAGAAGT
GGTCTCCCTGCTCCAAGCCCTGCGGTGGAGGGTCCCAGTTCACCTAAGTATGGCTGCCGCGGAGGTTGGA
CAGCAAGATGGTACACCGAGCCTTCTGCAGTGCCTCGCCAAGCCCAAGGCCATCCGACGAGCCTGCAAC
CCTCAGGAGTGTCCCAGCCTGTGTGGGTACCCGGTGAATGGGAGCCTTGTACTCAAAGCTGTGGGCGAA
CTGGCATGCAGGTGCGCTCCGTCGCTGTATACAACCTCTGCACAACAACACCACCCGCTCCGTGCACAC
CAAACACTGCAACGATACCCGTCGAGAGCCGCGGGCTGCAACCGTGTGAGCTGTGCCCTGGGCGGTGG
CGGGTGGGTCTGGTCCCAGTGTTCGGTAACCTGTGGCAACGGCACCCAGGAACGGCCAGTGTCTGTGTC
GCACTGCAGATGATAATTTTGGTGTCTGCCGGGAGGAGCGACCGGAGACGGCAAGGATCTGCAGGCTGC
ACCTGTCCCCGAAACGGCTCAGATCCCTCCAAGAAGAGCTACGTGGTTTCAAGTGGTGTGCCCGCTGAT
CCTGACTCACCTATCCAGAAGATCTCGTCAAGTAACCGACCCGTTATAACTCTGCCTCTGCCCTCCAGT
GCATGCCCTGCGCCTTGTGGAGCTTGCCTTGGGCTCCCCTCTCTTTCTCTATGGAAGCTTCCCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001277305
- Insert Size:** 3288 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001277305.1](#), [NP_001264234.1](#)

RefSeq Size: 5094 bp

RefSeq ORF: 3288 bp

Locus ID: 216725

Cytogenetics: 11 B1.3

Gene Summary: This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin repeats) family of proteinases that is involved in the proteolytic processing of procollagens. The encoded protein precursor is proteolytically processed to generate a mature, zinc-dependent enzyme. Mice lacking the encoded protein develop abnormal lungs, fragile skin and male sterility. [provided by RefSeq, Aug 2015]