

Product datasheet for MR22271

Adamts19 (NM_175506) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamts19 (NM_175506) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adamts19
Synonyms: 4831407I23Rik; AU015154; D230034E10Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR22271 representing NM_175506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCCCGGAGATGCGCCTGACTCGCATCTGCTGCTGCTGCTGCCTCCTCTACCAGCTAGGCTTCCTGT
 CGCATGGGACCACCTCAGGGTTCAGCTCACCCGGATTCGAGGAATGGGAAGTCGTGTTTCCTGCACT
 CTGGCGCCGGGAGTCGCTGAACGCCACGGCCTCAGCGGGGCGAGCTCAGACCCGGGATCCGGGCGCAGC
 TCTGGGGCGGCCGCGGGGCGAGGCTTCGGGCGAGCTCGCGGGAGGTGCGCTCGGTGGCCGAGCACCCG
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 GGAGGAAGTAGAATCTCAGGAGCTGCCTCGGGATCCAGCGGAGATACTGCCCTGTCTCGGAACCCCG
 GCCTCGTGGCAGCCTCCTCTGCCCCCGAACGGCCCTCGTCCCGCCCTGCCCAGCAAGAGGAACCCA
 GCGCGGAGGAGGTGCTGTTGCGGATCCCGGCCCTCTCCGGGACCTGTACCTGCTGCTCCGGAGAGATGG
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 GCTGACCTGGCTCTTCTTGTGCCAGATGCCTCCTGCTTTACACCGGACAGTGTGCGCCATCCTG
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Protein Sequence: >MR222271 representing NM_175506
 Red=Cloning site Green=Tags(s)

MGPEMRLTRICCCCLLYQLGFLSHGTTSGLQLTPDLEEWVFPALWRRESLNATGLSGGSSDPGSGRS
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 ASWQPPLPPQRPSSPPPAQQEEPSAEEVLLRIPALSRDLYLLRRDGRFLAQRFAVEQWPKPGDPTRAT
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 STEEKVTENSAVHRHHCGLVSDKGRPRSKKIADNRREKRYSYKLSQEYNIETVVVADPAMVSYHGADAAR
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 QAYSVRTSYPKHALQWQAVFDEEKPCALFCSPVGKEQPVLSEKVMGTSCGYQGLDICANGRCQKAGCD
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 ITGRHGNECFSSSEKPAAYRPHLQPCNEKINVNTITSPRLAALTFKCLGDQWPVYCRVIREKNLCQDMRW
 YQRCCECRDFYAQKLQQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

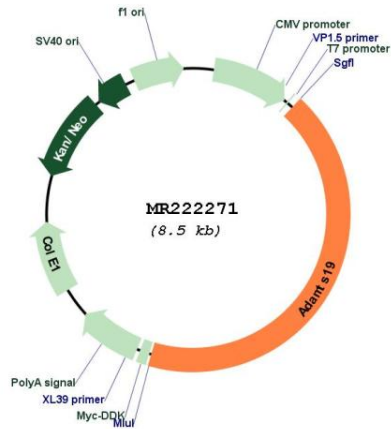


ACCN: NM_175506

ORF Size: 3630 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_175506.1 , NM_175506.2 , NM_175506.3 , NM_175506.4 , NP_780715.1
RefSeq Size:	4666 bp
RefSeq ORF:	3633 bp
Locus ID:	240322
UniProt ID:	P59509
Cytogenetics:	18 D3
MW:	135 kDa
Gene Summary:	This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. This gene is predominantly expressed in the ovary with lower levels of expression observed in kidney, heart, skeletal muscle, lung and testis. The encoded preproprotein undergoes proteolytic processing to generate an active protease. [provided by RefSeq, Jul 2016]

Product images:



Circular map for MR222271