

Product datasheet for **MG211102**

Adamts16 (BC034739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamts16 (BC034739) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Adamts16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211102 representing BC034739
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCCCAGGTTGTGCTGCGCTCTGGGTGCTGCTGCTGGCGCAGGTCAGTGAGCAGCAGACACCTG
 CGTGCGCCCTGGGACTCGCAGCTGCAGCGTCTGGGAGCCCGGAAGACCCGAGCCTCCCCATTCTCTGG
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 GCAGTGCCAAACTGGGAGAGGACATTTGGAATCTCTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >MG211102 representing BC034739
 Red=Cloning site Green=Tags(s)

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MESRGCAALWVLLLAQVSEQQTPACALGLAAAASGSPEDPQPPPFSGSSWLETGEYDLVSAYEVDHRGDY
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ENCFYQGSLSQGNSSVALSTCQGLLGMIRTKDIDYFLKPLPPHLT SKLNRS AQGDSPSHVLYKRSTERQ
APRENEVLMITRKRD LARPHLHHDNFHLGPSQKQHF CGRRKKYMPQPPNDDL YILPDEYKPSRHKRSL
KSHRNEELNVETLVVVD RKMMSHGHENITTYVLTILNMVSALFKDGTIGGNINIIVIGLILLEDEQPL
AISHHADHTLTSFCQWQSGLMGKDGTRHDHAILLTGLDICSWKNEPCDTLGFAPISGMC SKYRSCTVNE
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DQPKPVKEYKYPEKLP GQLYDANTQCKWQFGEKAKLCMLDFRKDICKALWCHRIGRK CETKFMPAAEGL
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KLCNSQRCP LDSVDFRAAQCAEYNSKRFRGWL YKWKPYTQLEDQDLCKLYCIAEGFDFFSLSNKVKDGT
PCSEDSRNVCIDGMCERVGCDNVLGSDATEDSCGVCKGNNSDCVTHRGLYSKHHSTNQYYHMVTIPSGAR
SIHIYETNISTSYISVRNSLKRYYLNGHWSVDWPGRYKFSGATFNKRSYKEPENL TSPGPTNETLIVEL
LFQGRNPGVAWEFSLPRSGAKKTPAAQPSYSWAIVRSECSVSCGGDRQCQTGRGHLEISS
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

ACCN:	BC034739
ORF Size:	2700 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:	BC034739.1
RefSeq Size:	3402 bp
RefSeq ORF:	2702 bp
Locus ID:	271127
Cytogenetics:	13 35.97 cM
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 co-expressed with the Wilms tumor protein, Wt1, in the developing glomeruli of embryonic kidneys. The encoded preproprotein undergoes proteolytic processing to generate an active enzyme. [provided by RefSeq, Jul 2016]