

## Product datasheet for **MC229300**

### Adamtsl4 (NM\_001301705) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adamtsl4 (NM\_001301705) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Adamtsl4  
**Synonyms:** ADAMTSL-4; Tsr; Tsrc1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC229300 representing NM\_001301705  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATCTTGGCTGGGCAGGCTCTGGCTGTGTATGATGCTGCTCCTGCCTCTCCCTCAGCCCTGCCAGG  
 ATCAGGAGCTGTTTGGACCTTCTCATCAGCTGCCATCAGAGGAGGGCCAGGTCCTGAAGCCCTCTGGGG  
 ACCTTGGGGTCGATGGGCTTCTGCTCCCAGCCCTGTGGGGTGGGGTGCAGCGCAGGAGCCGAACATGT  
 GAACTGCACCCAGCCCTACCCCTCCCTCCCCGACCCCAAGACATCCAGAAGCCACCGGCCCGGGGCC  
 AGGGCTCCAGACCCAGACTCCACGGGATCCCCAGTCTCTGTATAGGCCACAGCCTCGGGGAAGGGTGG  
 CCCTCTTCGAGCTCCTGCTTCTCAAGTGGGGAGAGAGAAACCCAGGAGCCTCAAGGGGCCAGAGGTTT  
 CGGGTTCGAGACCCATCAAGCCAGGGATGTTCCGGTTATGGGAGAGTGCCTTTTGCCTTGCTCTGCACC  
 GGAGCCGAGGCATCCTCACAGACCCGGCAACCAAGAAGTCTTCTACAGGGGAAGGGATGGTTCCATC  
 TCAGCCTCCAAGCACAGAGCTGGCCTCTGAAAAGCACGGCCCTCATATGCAGCCCTGAACCCGTTCT  
 CACTCAGCTGAACTCCAAGTCTGGAAGTCTCAGACAGAAGTCTCCCAGAAGTCTTCTGCTCCTT  
 CCTACACAGGGACCCCTGCACCTACCTCCTTTTGGAGACAGTAGGCTTTCCAGGGATCCCTTGGGCC  
 ACGAATGCCACCTTCCCCGGGAAGTTGGAGCAGTCCCCAGGGAGCAGAGCGACGACACCCACCTCCTTTC  
 TCTCCTGTCCCCGAGCCAGCAGAGCAGGAGGACTGGAGACCTCCAGGTCCTCACAGGTCCTCCAGATG  
 GCTGGCTGCCCTGACAAGAGACTCCAGCCACTCTGGAGCATCTTTGCTCCCAGTATCCCTGCTCCAAA  
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 AGGGCCCTACAGTGTGCCCTTTGACTCCCAGGAATTCATGGGCCAGCTGTACCAGTGGGAGCCCTTCA  
 CCGAAGTTCAGGGCTCCCAGCGTGTGAAGTGAAGTGCAGCCAGGAGCCTTGGCCCCCTGAGCAGCCAGACCCC  
 CACTGAAAAGGTGCAGGATGGAACCTGTGTGAGCCTGGATCCCTAGACATCTGTGTGGCTGGACGCTGC  
 CTGAGCCCTGGCTGTGATGGGGTCTTGGCTCTGGCAGGCGTCCGGATGGCTGCGGAGTCTCGGGGGTG  
 ATGGTTTACCTGCCGCTGTTTTCGGGAAATCTCACTGACCCAGGGGGCCCTTGGGCTATCAGAAGAT  
 CCTGTGGATCCCTGCCGGGCTCCACCTTACATTTCCAGTTGCGACCCAGTTCCAATTACCTCGCA  
 CTCGAGGGCCTGGGGCCGCTCCATTATCAATGGGAAGTGGGCTGTGGATCCTCCAGGTCCTATACAG



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CCATTGGGACTGTCTCCAGTATAACCGTCCTCCACGGGAAGAAGGCAAGGGGGAGAGTCTGTCCAGCAGA
AGGCCCTACCACTCAGCCTGTGGACGTCTATATGATCTTTCAAGAGGACAACCCAGGTGTTTTTATCAG
TATGTCATCTCTTCCCCTCCTGCAGTCCTAGAGAGTCCTCCACAAAGCCTCCAGCCCTTCAGCCTCAGC
CTGAGATGCTGAGGGGGAGCCCCTACTCCCCTCAGCCCCCGCCAGTCCGGGCACCAGGCACCCCTCCA
ACGTGAGGTGCGGATCCCCAAGTGCCTCCTCCGACTCGTGTGAGGACAGCCATGGGGTCTTCTGCTGGA
TACTGAAACAAGTGGGGCACTGTAGTGTTCAGCATCCTGTGGCAAAGGTGTTGGCACCCCATTTTCC
TCTGCATTTCCCGTGAGTCAGGAGAGGAGTTGGATGAACAGAGCTGTGCTGTGGGGCCAGACCCCCAGC
TTCCCCTGAACCCTGCCATGGACCCCGTGTCTCCATACTGGGAGGCTGGCGAGTGGACATCCTGCAGC
CGATCCTGTGGCCCTGGCACCCAGCACCCGCGTACTCTGCAGACAGGAATTCCGGAGGTGGTGGCTCCT
CGGTACCTCCAGAGCGCTGTGGACATCTCCCCGGCCCAACATCACCCAGCCTTGTGAGTGCACCTCTG
TGGCCACTGGGAGATTAGCTCCCCTGGAGCCAGTGTCTGTGCGCTGTGGTCTGGTCCAGAGGAGCCGG
CAAGTTCGGTGTGTTGGCAGTAATGGTGTGAGGTGGACAAGCAGGAGTGTGCTTCAGGGCCCCCGCCG
CCCCCAGCAGAGAGCCCTGTGACATGGGCCCTGCACCACAGCCTGGTTCTACAGTACTGGAGTCCAA
GTGCTCAGCCGAGTCCGGGACAGGAATCCAGAGACGCGCTGTGGTCTGCCTTAGGAGTGGGAGACCCTT
CAGGGAGACCCGGAAGCAGGAAGCACTGAGCAGGGCTGCCCTCTCAGAAGCCGCCCTCCCGATATGCGTG
CCTGCAGTTTAGGGCCCTGTGAGAGGACATGGCGCTGGTTCACAGGCCCTGGAGTGGTGTCTCCTCGGA
GTGTGGGTCTGGCACACAACACAGAGACATTATCTGTGTGTCGAAGTGGGGCCGAGTTCAATGTGACT
TCTCCAGCAACTGTTCCACCTACCCAGGCCGCTGCCCTGCAGCCCTGTGAGGGCAGGCCTGTGAGG
ACAAATGGTTCTCCACTCTCTGGAGTCCGTGTTCTCGATCCTGCCAGGGAGGCATGCAGACGAGGGAAGT
CCAGTGCCTGAGTGGCAACCAGACTCTCAGTCCCAGTGCCTCCTCACCTGAGACCTCCAGGAAGCGG
CCCTGCAACAGCAACCTGCAACCAGCGACCAGATGACCAATGCAAGGACAGCTCTCCACTGCCCC
TGGTGGTACAGGCCCGGCTCTGCGTCTACCCCTACTACAACTACCTGCTGCCGCTCTTGTGCCATGT
CCTGGAGCAGTCCAGCTGGAACCGGCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	SgfI-MluI
<b>ACCN:</b>	NM_001301705
<b>Insert Size:</b>	3111 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001301705.1</a></u> , <u><a href="#">NP_001288634.1</a></u>

RefSeq Size: 4056 bp

RefSeq ORF: 3111 bp

Locus ID: 229595

UniProt ID: [Q80T21](#)

Cytogenetics: 3 F2.1

**Gene Summary:** The protein encoded by this gene is a member of the ADAMTS superfamily of secreted proteins, which contain a metalloprotease domain at the N-terminus and a C-terminal ancillary domain. ADAMTS-like proteins lack protease activity and resemble the ancillary domain of ADAMTS proteins. ADAMTS-like proteins have been implicated in regulation of the extracellular matrix. The encoded protein contains 7 thrombospondin type 1 repeats, a conserved extracellular domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]  
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.