

## Product datasheet for RC239904

### ADAMTSL4 (NM\_001288607) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ADAMTSL4 (NM\_001288607) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ADAMTSL4  
**Synonyms:** ADAMTSL-4; ECTOL2; TSRC1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC239904 representing NM\_001288607  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAGTGGACTGGCAGGCCCTGGCTGTATCTGCTGCTGCTTCTGTCCCTCCCTCAGCTCTGCTTGG  
 ATCAGGAGGTGTGTCCGGACACTCTCTCAGACACCTACAGAGGAGGGCCAGGGCCCCGAAGGTGTCTG  
 GGGACCTTGGGTCCAGTGGCCCTTTGCTCCCAGCCCTGCGGGGTGGGGTGCAGCGCAGGAGCCGGACA  
 TGTGAGCTCCCTACAGTGCAGCTCCACCCGAGTCTGCCCTCCCTCCCGGCCCCCAAGACATCCAGAAG  
 CCCTCCTCCCCGGGGCCAGGGTCCCAGACCCAGACTTCTCCAGAAACCCTCCCCTTGTACAGGACACA  
 GTCTCGGGGAAGGGGTGGCCACTTCGAGGTCCCGCTTCCACCTAGGGAGAGAGAGACCAGGAGATT  
 CGAGCGGCCAGGAGGTCCCGCTTCGAGACCCATCAAGCCAGGAATGTTCCGTTATGGGAGAGTGCCCT  
 TTGCATTGCCACTGCACCGGAACCGCAGGCACCCTCGGAGCCACCCAGATCTGAGCTGTCCCTGATCTC  
 TTCTAGAGGGGAAGAGGCTATCCGTCCCTACTCCAAGAGCAGAGCCATTCTCCGAAACGGCAGCCCC  
 CAACTGAGTCCCTCCCACAGAACTGTCTGTCCACACCCATCCCCCAAGCAGAACCTAAGCCCTG  
 AAAGTCTCAGACAGAGGTGGCCCCAGAACCAGGCCTGCCCCCTACGGCATCACCCAGAGCCAGGC  
 CTCTGGCACAGAGCCCCCTCACCCACGCACTCCTTAGGAGAAGGTGGCTTCTCCGTGCATCCCCCAG  
 CCACGAAGGCCAAGTTCCAGGGTTGGCCAGTCCCAGGTAGCAGGGAGACGCCCTGATCCTTTTCCTT  
 CGGTCCCTCGGGGCCAGGCCAGCAGGGCCAAGGGCCTTGGGGAACGGGGGGACTCCTCACGGCCCCG  
 CCTGGAGCCTGACCCTCAGCACCCGGGCGCTGGCTGCCCTGCTGAGCAACGGCCCCCATGCCAGCTCC  
 CTCTGGAGCCTTTTGTCCCAGTAGCCCTATTCCAAGATGTTCTGGGGAGAGTGAACAGCTAAGAGCCT  
 GCAGCCAAGCGCCCTGCCCCCTGAGCAGCCAGACCCCGGGCCCTGCAGTGCAGCCTTTAACTCCCA  
 GGAATTCATGGCCAGCTGTATCAGTGGGAGCCCTTCACTGAAGCCCTCTGCTTCCCTGCGCCATGCC  
 TTCTTTCTTCCCTGGGCTGGGTGAGGAGACAGCACAGGTGTCCAGGGCTCCCAGCGTGTGAAGTGA  
 ACTGCCGGCCCCGTGGCTTCCGCTTCTATGTCCGTCACTGAAAAGGTCCAGGATGGGACCCCTGTGTCA  
 GCCTGGAGCCCCGTGACATCTGTGTGGCTGGACGCTGTCTGAGCCCCGGCTGTGATGGGATCCTTGGCTCT  
 GGCAGGCGTCTGATGGCTGTGGAGTCTGTGGGGTGTGATTCTACCTGTCCGCTTGTTCGGGGAACC



TCACTGACCGAGGGGGCCCCCTGGGCTATCAGAAGATCTTGTGGATTCCAGCGGGAGCCTTGCGGCTCCA  
 GATTGCCAGCTCCGGCCTAGCTCCAACACTCTGGCACTTCGTGGCCCTGGGGCCGGTCCATCATCAAT  
 GGGAACTGGGCTGTGGATCCCCCTGGGTCTACAGGGCCGGGGACCGTCTTTCGATATAACCGTCCTC  
 CCAGGGAGGAGGGCAAAGGGGAGAGTCTGTCCGCTGAAGGCCACCACCCAGCCTGTGGATGTCTATAT  
 GATCTTTCAGGAGGAAAACCCAGGCGTTTTTATCAGACACCCCTGGGGTCTCCAGCTGCGTACTGGAAA  
 CGAGTGGGACACTCTGCATGCTCAGCGTCTGCCGGAAAGGTGTCTGGCGCCCAATTTCTCTGCATCT  
 CCCGTGAGTCGGGAGAGGAAGTGGATGAACGCAGCTGTGCCGGGTGCCAGGCCCCAGCCTCCCCTGA  
 ACCCTGCCACGGACCCCATGCCCCCACTGGGAGGCTGGCGAGTGGACATCCTGCAGCGCTCCTGT  
 GGCCCCGGCACCCAGCACCCGCTGCACTGCCGGCAGGAATTTGGGGGGGTGGCTCCTCGTGGCCCC  
 CGGAGCGCTGTGGACATCTCCCCGGCCCAACATCACCCAGTCTTGCCAGCTGCGCCTCTGTGGCCATTG  
 GGAAGTTGGCTCTCCTTGGAGCCAGTGTCCGTGCGGTGCGGCCGGGGCCAGAGAAGCCGGCAGGTTGCG  
 TGTGTTGGGAACAATGGTATGAAGTGAGCGAGCAGGAGTGTGCGTCAAGCCCCCGAGCCCCCAGCA  
 GAGAGGCTGTGACATGGGGCCCTGTACTACTGCCTGGTCCACAGCGACTGGAGCTCAAGTGTCTCAGC  
 CGAGTGTGGGACGGGAATCCAGCGGCGCTCTGTGGTCTGCCTGGGAGTGGGCAGCCCTCGGGCCAGGC  
 CAGGGGAAGCAGGAGCAGGAAGTGGGCAGAGCTGTTCAACAGGAAGCCGCCCCCTGACATGCGCGCT  
 GCAGCCTGGGGCCCTGTGAGAGAACTTGGCGCTGGTACACAGGGCCCTGGGGTGTGCTCCTCCGAATG  
 TGGCTCTGGCACACAGCGTAGAGACATCATCTGTGTATCCAAACTGGGGACGGAGTTCAACGTGACTTCT  
 CCGAGCAACTGTTCTCACCTCCCAGGCCCCCTGCCCTGCAGCCCTGTCAAGGGCAGGCCTGCCAGGACC  
 GATGGTTTTCCACGCCCTGGAGCCCATGTTCTCGCTCCTGCCAAGGGGAACGCAGACACGGGAGGTCCA  
 GTGCCTGAGCACAACAGACCCCTCAGCACCCGATGCCCTCCTCAACTGCGGCCCTCCAGGAAGCGCCCC  
 TGTAACAGCCAACCTGCAGCCAGCGCCCTGATGATCAATGCAAGGACAGCTCTCCACATTGCCCCCTGG  
 TGGTACAGGCCCGGCTCTGCGTCTACCCCTACTACACAGCCACCTGTTGCCGCTCTTGGCACATGTCT  
 GGAGCGGTCTCCCAGGATCCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239904 representing NM\_001288607  
Red=Cloning site Green=Tags(s)

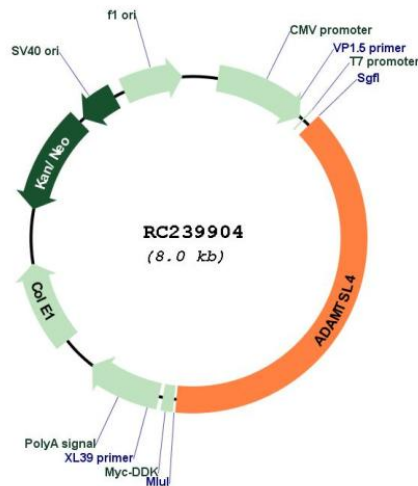
MENWTGRPWLYLLLLLSLPQLCLDQEVLSGHSLSQTPTEEGQGPEGVWGPVWQWASCSQPCGVGVQRRSRT  
 CQLPTVQLHPSLPLPPRPPRHPEALLPRGQGRPQTSPETLPLYRTQSRGRGGPLRGPASHLGREETQEI  
 RAARRSRLRDPKIPGMFYGRVFPALPLHRNRHPRSPRSELSLSSRGEEAIPSPTPRAEPPSANGSP  
 QTELPPEL SVHTPSPQAEPLSPETAQTEVAPRTRPAPLRHHPRAQASGTEPPSPHSLGEGGFFRASPQ  
 PRRPSSQGWASPVAGRRPDPFSPVPRGRGQGGQGPWGTGGTPHGPRLEPDPQHPGAWLPLL SNGPHASS  
 LWSLFAPSSPIPRCSGESEQLRACSQAPCPPEQDPDRALQCAAFNSQEFMGQLYQWEPFTEAPLLPLRHA  
 FFLLPAGSGDSTGVQGSQRCELNCRPRGRFRFYVRHTEKVQDGTLCQPGAPD ICVAGRCLSPGCDGILGS  
 GRRPDGCGVCGDDSTCRLVSGNLTDRGGPLGYQKILWIPAGALRLQIAQLRPSNYLALRPGGGRSIIIN  
 GNWAVDPPGSYRAGGTVFRYNRPPREEGKESLSAEGPTTQPVDVYMI FQEENPGVFYQTPGLGSPAAYWK  
 RVGHSACSASCGKGVWRPIFLCISRESGEELDERSCAAGARPPASPEPCHGTPCPYWEAGEWTSRSC  
 GPGTQHRQLQCRQEFGGGSSVPPERCGHLPRPNITQSCQLRLCGHWEVGSQVSRVCRGRQSRQVR  
 CVGNNGDEVSEQECASGPPQPPSREACDMGPCTTAWFHSWSSKCSAECGTGIQRRSVVCLGSGAALGPG  
 QGEAGAGTGQSCPTGSRPPDMRACSLGPCERTWRWYTPWGECSSECGSGTQRDIICVSKLGFTEFNVT  
 PSNCSHLPRPPALQPCQQAQDRWFSTPWSPCSRSCQGGTQTREVOCLSTNQTLSTRCPQLRPSRKR  
 CNSQPCSRPDDQCKDSSPHCLPLVVQARLCVYPPYATCCRSCAHLERSPODPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001288607

**ORF Size:** 3105 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001288607.2</a>
<b>RefSeq Size:</b>	4145 bp
<b>RefSeq ORF:</b>	3108 bp
<b>Locus ID:</b>	54507
<b>UniProt ID:</b>	<a href="#">Q6UY14</a>
<b>Cytogenetics:</b>	1q21.2
<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	112.5 kDa
<b>Gene Summary:</b>	This gene is a member of ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs)-like gene family and encodes a protein with seven thrombospondin type 1 repeats. The thrombospondin type 1 repeat domain is found in many proteins with diverse biological functions including cellular adhesion, angiogenesis, and patterning of the developing nervous system. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Sep 2014]