

Product datasheet for **RR207316**

Adamtsl4 (NM_001034012) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adamtsl4 (NM_001034012) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adamtsl4
Synonyms: Tsrc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207316 representing NM_001034012
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCTTTGGCTGGGCAGGCTCTGGCTGTATGTCATGCTGCTCTTGCTTCTCCTTCAGCTCTGCCAGG
ATCAGGAGCTGTTGGGTCTTCTTTCAGACACCATCAGAGGAGGACCAGGTCCTGAGGGTCTCTGGGG
ACCTTGGGGCCGATGGGCTCCTGCTCCCAGCCCTGTGGGGTGGGGGTGCAGCGCCGGAGCCGAACATGT
GAACTGCACCCAGCCCTGTCCCTCCCTCCCGACCCCAAGACATCCAGAAGCCCCCAGCCCCGGGGCC
AGGGTTCCAGACCCAGACTCCACGGGATCCCCAGTCCCTGTATAGGCCACAGCCTCGGGGAAGGGGTGG
CCCTCTTCGAGGTCCTGCTTCTCAAGTGGGGAGAGAGGAGACCCAGGAGCCTCGGGGGGCCAGAGGTTT
CGTGTTTCGAGACCTATCAAGCCAGGGATGTTTCGGTTACGGGCGAGTGCCCTTTGCTTTGCCCTGCACC
GGAGCCGAGGCTTGCTCACAACCTGGACAGCCCAAGGACTCCTCTACAGCGGAAGAGACACTTCCATC
CCAGCCTCCAAGCACAGAACCAGCCTCTGAAAAGCACAGCCCCACATGCAGCCCCCTGAACTGCGTGCC
CAATCCCGTTCCTCCCTCAGCTGAACTCCAAGGTCTGAACTGCTCAGACAGAAGTGCCCTCCAGAACCA
GTTCTGCTCCCTCCGACATGGGTATCCCTGCACCCACTTCTCCTTTAGAGACAGTAGGCTTTCCAGGG
ATCCCCCTGAGCCACGAATGCCAACTTCCCAGGGAGCAGAGCGACAGCCACATCCTTTCTCTCCTGTCACC
CGGAGCCAGCTGAGCCGAGGCACTGGAGACCTCCGGGGAGTCCCTCACAGGTCCCGAGATGGCTGGCTGC
CTCTGACAAGGGACTCCAGCCCACTGGAGCCTCTTTGCTCCCAGTAGCCCCACTCCAGAATGTTCTGG
GGAAAGTGAACAGATGAGAGCCTGCAGCCAAGAGCCTTGCCCCCTGAGCAGCCAGACCCAGGGCCCTG
CAGTGTGCCGCTTTGACTCCCAGGAATTCATGGGCCAGCTGTACCAGTGGGAGCCCTTACCAGAAATTC
AAGGCTCCAGCGCTGTGAAGTGAAGTCCGCCCCCGTGGCTTCCGATTTTATGTCGGTCACTGAAAA
GGTGCAGGATGGGACCTGTGTCAGCCTGGATCCCTAGACATTTGTGGCTGGACTGCCTGAGCCCC
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CCTGCCGTCTCGTTTCGGGAATCTCACTGACCGAGGGGGCCCTTGGGCTATCAGAAGATCCTGTGGAT
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CCGTCTCCAGTATAACCGTCTCTCGGGAGGAGGGCAAGGGGAGACTCTGTACAGAGAAGGCCCTAC
 CACCCAGCCTGTGGATGTCTATATGATCTTTCAAGAGGACAACCCAGGTGTCTTCTATCAGTATGTCACC
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 GCGGACATCTCCCCGGCCCAACATCACCCAGTCTGTACAGTGCCTTGTGGCCACTGGGAGATTAG
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 CACCTACCCAGGCCTCCTGCCCTGCAGCCCTGTGAGGGCCAGGCCTGTGAGGACCAATGGTTCTCTACTC
 TCTGGAGTCCGTGTTCTCAATCTGTCAAGGAGGTGTGCAGACGAGGGAAGTCCAGTGCCTGAGTAGCAA
 CCACACTCTCAGTCCCAGTGTCTCCGCACCTGCGACCTTCTAGGAAGCGGCCCTGTAACAGCCAAACCC
 TGCAACCAGCGACAGATGACCAATGCAAGGACAGTCTCCACATTGCCCCCTGGTGGTACAGGCACGGC
 TCTGCGTCTACCCCTACTACACAGCTACCTGCTGCCGCTCCTGTGCCATGTCTGGAGCAGTCCCAACT
 GGAGCCTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207316 representing NM_001034012
 Red=Cloning site Green=Tags(s)

MELWLGRLLWLYVMLLLLLLQLCQDQELLGPSLQTPSEEDQVPEGLWGPWGRWASCSQPCGVGVQRRSRTC
 ELHPALSLPPRPPRHPEAPQPRGQSRPQTPRDPQSLYRPQPRGRGGLRGPASQVGREETQEPRGAQRF
 RVRDPIKPGMFGYGRVPFALPLHRSRRLAHKPGQPKDSSAEETLPSQPPSTEPASEKHSPHMQPPELRA
 QSRSPSAETPRSGTAQTEVPSRTSSAPSDMGIPAPTSSFRDSRSFQGSPEPRMPTSQGAERQPHFSPVT
 RSQLSRRHWRPPGSPHRSPDGWLPLTRDSSPHWSLFAPSSPTPECSGSEQMRACSQEPCPPEQDPRAL
 QCAAFDSQEFMGQLYQWEPFTEVQGSQRCELNCRPRGFRFYVRHTEKVQDGTLCQPGSLDICVAGHCLSP
 GCDGILGSGRRPDGCGVCGDGTGCRVSGNL TDRGGPLGYQKILWIPAGASHLRISQFRPSSNYLALRG
 PGGRSIINGNWAVDPPGSYAAVGTVFQYNRPPREEGKGETLSAEGPTTQPVVYIMIFQEDNPGVFYQYVT
 SAAPESPSTMPALQLQPEMLRGEPLLPAPRPVVRAPGTLQRQARIPQVPPPTHVRTAMGSSAGYWKQVG
 HSECSASCGKGVWRPIFLCVSRESGEELDEQSCAVGARPPASPECHRPPCPYWEAGEWTSCSRSCGPG
 TQHRQLLCRQEFGGGSSVPPERCGHLPRPNITQSCQLRLCGHWEISSPWSQCSVRCGRGQSRQVRCVG
 SNGHEVGKQECASGPPPPSREACDMGPCTTAWFYSDWSSKCSAECGTGIQRRAVVCLRSGETLQGDPEA
 GSTEQGCLRSRPPDMRACSLGPCEKTWRWYTPWSECSSECGSGTQHRDIICVSKLGTGFNVTSPSNCS
 HLP RPALQPCQGGACEDQWFSTLWSPCSQSCQGGVQTVREVQCLSSNHTLSSRCPHRLPSRKRPCNSQP
 CNQRPDDQCKDSSPHCLPLVVQARL CVYPYYTATCCRSCAHVLEQSLEPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<u>NM_001034012.1</u> , <u>NP_001029184.1</u>
RefSeq Size:	4180 bp
RefSeq ORF:	3093 bp
Locus ID:	310670
UniProt ID:	<u>Q4FZU4</u>
Cytogenetics:	2q34
MW:	112.8 kDa
Gene Summary:	Positive regulation of apoptosis. May facilitate FBN1 microfibril biogenesis (By similarity). [UniProtKB/Swiss-Prot Function]