

## Product datasheet for **RC218828**

### **ADAMTSL1 (NM\_052866) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ADAMTSL1 (NM_052866) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ADAMTSL1
Synonyms:	ADAMTSL-1; ADAMTSR1; C9orf94; PUNCTIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC218828 representing NM\_052866  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAATGCTGCCGTCGGCAACTCCTGGCACACTGCTCCTTTCTGGCTTTCTGCTCCTGAGTTCCA  
 GGACCGCACGCTCCGAGGAGGACCGGACGGCCTATGGGATGCCTGGGGCCCATGGAGTGAATGCTCAGC  
 CACCTGCGGGGGTGGGGCCTCTACTCTCTGAGGCGCTGCCTGAGCAGCAAGAGCTGTGAAGGAAGAAAT  
 ATCCGATACAGAACATGCAGTAATGTGGACTGCCACCAGAAGCAGGTGATTTCCGAGCTCAGCAATGCT  
 CAGCTCATAATGATGTCAAGCACCATGGCCAGTTTATGAATGGCTTCTGTGTCTAATGACCTGACAA  
 CCCATGTTCACTCAAGTGCCAAGCCAAAGGAACAACCTGGTTGTTGAACTAGCACCTAAGTCTTAGAT  
 GGTACGCGTTGCTATACAGAATCTTGGATATGTGCATCAGTGGTTTATGCCAAATTGTTGGCTGCGATC  
 ACCAGCTGGGAAGCACCGTCAAGGAAGATAACTGTGGGTCTGCAACGGAGATGGGTCCACCTGCCGGCT  
 GGTCCGAGGGCAGTATAAATCCAGCTCTCCGAACCAAAATCGGATGATACTGTGGTTGCAATTCCTAT  
 GGAAGTAGACATATTCGCTTGTCTTAAAGGTCTGATCACTTATATCTGGAAACCAAAACCTCCAGG  
 GGACTAAAGGTGAAAACAGTCTCAACTCCACAGGAACCTTCTTGTGGACAATTCAGTGTGGACTTCCA  
 GAAATTTCCAGACAAAGAGATACTGAGAATGGCTGGACCACTCACAGCAGATTTTCATTGTCAAGATTCGT  
 AACTCGGGCTCCGCTGACAGTACAGTCCAGTTCATCTTCTATCAACCCATCATCCACCGATGGAGGGAGA  
 CGGATTTCTTTCTTGTCTCAGCAACCTGTGGAGGAGGTTATCAGTGCATCGGCTGAGTGTACGATCT  
 GAGGAGCAACCGTGTGGTTGCTGACCAACTGTCACTATTACCCAGAGAACATCAAAACCAAAACCAAG  
 CTTCAGGAGTGCAACTTGGATCCTTGTCCAGCCAGTGACGGATACAAGCAGATCATGCCTTATGACCTCT  
 ACCATCCCCTTCTCGGTGGGAGGCCACCCATGGACCGGTGCTCCTCCTCGTGTGGGGGGGCATCCA  
 GAGCCGGGCAGTTTCTGTGTGGAGGAGACATCCAGGGGCATGTCACTTCAGTGAAGAGTGGAATGC  
 ATGTACACCCCTAAGATGCCATCGCGCAGCCCTGCAACATTTTGTACTGCCCTAAATGGCTGGCACAGG  
 AGTGGTCTCCGTGCACAGTGACATGTGGCCAGGCGCTCAGATACCGTGTGGTCTCTGCATCGACCATCG  
 AGGAATGCACACAGGAGGCTGTAGCCCAAAACAAAGCCACATAAAAGAGGAATGCATCGTACCCACT  
 CCCTGCTATAAACCAAGAGAACTTCCAGTCGAGGCCAAGTTGCCATGGTTCAACAAGCTCAAGAGC  
 TAGAAGAAGGAGCTGCTGTGTCAGAGGAGCCCTCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>RC218828 representing NM\_052866  
 Red=Cloning site Green=Tags(s)

MECCRRATPGTLLLFLAFLLLSSRTARSEEDRDGLWDAWGPWSECSRTCGGGASYSLRRLSSKSCEGRN  
 IRYRTCSNVDCPPEAGDFRAQCSAHNDVKHHGQFYEWLPVSNPDNPCLKQAKGTTLVVELAPKVL  
 GTRCYTESLDMCISGLCQIVGCDHQLGSTVKEDNCGVCNGDGSTCRLVRGQYKSQLSATKSDDTVVAIPY  
 GSRHIRLVKGPDLHYLETKTLQGTKGENSLNSTGTFLVDNSSVDFQKFPDKEILRMAGPLTADFIKIR  
 NSGSADSTVQFIFYQPIIHRWRETDFPCSATCGGGYQLTSAECYDLRSNRVADQYCHYYPENIKPKPK  
 LQECNLDPCPASDGYKQIMPYDLYHPLRWEATPWTACSSSCGGGIQSRVSCVEEDIQGHVTSVEEWKC  
 MYTPKMPIAQPCNIFDCPKWLAQEWSPCTVTCGQGLRYRVVLCIDHRGMHTGGCSPKTKPHIKEECIVPT  
 PCYKPKKLPVEAKLPWFKAQAELEEGAIVSEEPS

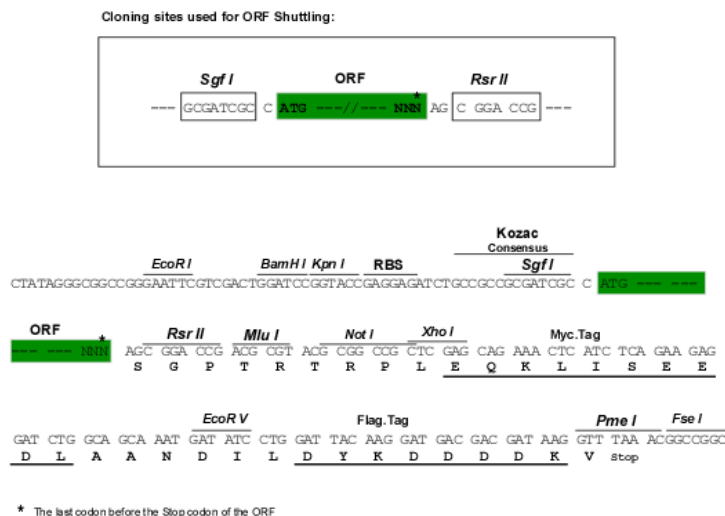
**SGP**TRTRRLE**QKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8065\\_e03.zip](https://cdn.origene.com/chromatograms/mk8065_e03.zip)

**Restriction Sites:**

Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_052866

**ORF Size:** 1575 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:**

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\\_052866.2](#), [NP\\_443098.2](#)

**RefSeq Size:** 1810 bp

**RefSeq ORF:** 1578 bp

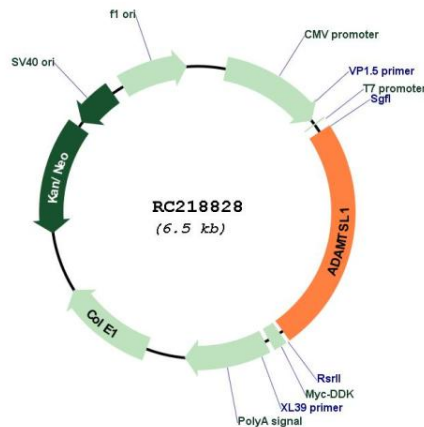
**Locus ID:** 92949

**UniProt ID:** [Q8N6G6](#)

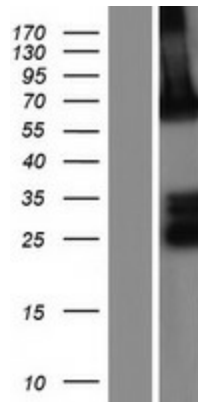
**Cytogenetics:** 9p22.2-p22.1

<b>Protein Families:</b>	Secreted Protein
<b>MW:</b>	55.3 kDa
<b>Gene Summary:</b>	This gene encodes a secreted protein and member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) family. This protein lacks the metalloproteinase and disintegrin-like domains, which are typical of the ADAMTS family, but contains other ADAMTS domains, including the thrombospondin type 1 motif. This protein may have important functions in the extracellular matrix. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Jul 2008]

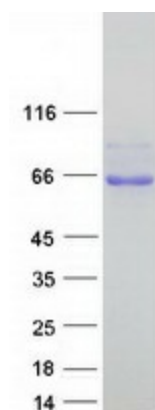
## Product images:



Circular map for RC218828



Western blot validation of overexpression lysate (Cat# [LY409424]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218828 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ADAMTSL1 protein (Cat# [TP318828]). The protein was produced from HEK293T cells transfected with ADAMTSL1 cDNA clone (Cat# RC218828) using MegaTran 2.0 (Cat# [TT210002]).