

Product datasheet for MC223294

Adamtsl4 (NM_144899) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adamtsl4 (NM_144899) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Adamtsl4
Synonyms:	ADAMTSL-4; Tsr; Tsrc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223294 representing NM_144899 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATCTTGGCTGGGCAGGCTCTGGCTGTGTATGATGCTGCTCCTGCCTCTCCCTCAGCCCTGCCAGG
ATCAGGAGCTGTTTGGACCTTCTCATCAGCTGCCATCAGAGGAGGGCCAGGTCCCTGAAGCCCTCTGGG
ACCTTGGGGTCGATGGGCTTCTGCTCCAGCCCTGTGGGTGGGGTGCAGCGCAGGAGCCGAACATGT
GAACTGCACCCAGCCCTACCCCTCCCTCCCGACCCCAAGACATCCAGAAGCCACCGGCCCGGGCC
AGGGCTCCAGACCCAGACTCCACGGGATCCCCAGTCTCTGTATAGGCCACAGCCTCGGGGAAGGGTGG
CCCTCTTCGAGCTCCTGCTTCTCAAGTGGGGAGAGAGAAACCCAGGAGCCTCAAGGGGCCAGAGGTT
CGGGTTCGAGACCCATCAAGCCAGGGATGTTCCGTTATGGGAGAGTGCCTTTTGCCTTGCCTCTGCACC
GGAGCCGACGGCATCCTCACAGACCCGGCAACCAAGAAGTCTTCTACAGGGGAAGGGATGGTTCATC
TCAGCCTCCAAGCACAGAGCTGGCCTCTGAAAAGCACGGCCCTCATATGCAGCCCTGAACCCGTTCT
CACTCAGCTGAACTCCAAGTCTGGAAGTCTCAGACAGAAGTCTCCCAAGTCTGCTCCTTCTGCTCCT
CCTACACAGGGACCCCTGCACCTACCTCCTCTTTGGAGACAGTAGGTCTTCCAGGGATCCCTTGGGCC
ACGAATGCCACCTTCCCGGGAAGTTGGAGCAGTCCCCAGGGAGCAGAGCGACACCCACCTCCTTTCT
TCTCCTGTCCCCGGAGCCAGCAGAGCAGGAGGCACTGGAGACCTCCAGTCTCACAGTCCCCAGATG
GCTGGCTGCCCTGACAAGAGACTCCAGCCACTCTGGAGCATCTTGGTCCAGTATCCCTGCTCCAAA
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AGGGCCCTACAGTGTGCCCTTTGACTCCAGGAATTCATGGCCAGCTGTACCAGTGGGAGCCCTTCA
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CACTGAAAAGGTGCAGGATGGAACCTGTGTGAGCCTGGATCCCTAGACATCTGTGTGGCTGGACGCTGC
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ATGTTTCTACCTGCCGCTGTTTTCGGAAATCTCACTGACCGAGGGGGCCCTTGGGCTATCAGAAGT
CCTGTGGATCCCTGCCGGGCCCTCCACCTTACATTTCCAGTTCGACCCAGTCCAATTACCTCGCA



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CTCCGAGGGCCTGGGGCCGCTCCATTATCAATGGAACTGGGCTGTGGATCCTCCAGGGTCTATACAG
CCATTGGGACTGTCTTCCAGTATAACCGTCTCCACGGGAAGAAGGCAAGGGGGAGAGTCTGTCAGCAGA
AGGCCCTACCACTCAGCCTGTGGACGTCTATATGATCTTTCAAGAGGACAACCCAGGTGTTTTTATCAG
TATGTCATCTCTTCCCCTCTGCAGTCTTAGAGAGTCTTCCACAAGCCTCCAGCCCTTCAGCCTCAGC
CTGAGATGCTGAGGGGGAGCCCTACTCCCCTCAGCCCCCGCCAGTCCGGGCACCAGGCACCCCTCCA
ACGTCAGGTGCGGATCCCCAAGTGCCTCCTCCGACTCGTGTGAGGACAGCCATGGGGTCTTCTGCTGGA
TACTGGAACAAGTGGGCACTCTGAGTGTTGAGCATCCTGTGGCAAAGGTGTTTGGCACCCCATTTTCC
TCTGCATTTCCCGTGAGTCAGGAGAGGAGTTGGATGAACAGAGCTGTGCTGTGGGGCCAGACCCCCAGC
TTCCCCTGAACCCCTGCCATGGACCCCGTGTCTCCATACTGGGAGGCTGGCGAGTGGACATCCTGCAGC
CGATCCTGTGGCCCTGGCACCCAGCACCCGCTACTCTGCAGACAGGAATTCGGAGGTGGTGGCTCCT
CGGTACCTCCAGAGCGTGTGGACATCTCCCCGGCCCAACATCACCCAGCCTTGTGAGTGCACCTCTG
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CAAGTTCGGTGTGTTGGCAGTAATGGTGTGAGGTGGACAAGCAGGAGTGTGCTTACAGGGCCCCCGCCG
CCCCCAGCAGAGAGCCCTGTGACATGGGCCCTGCACCACAGCCTGGTTCTACAGTGACTGGAGTCCAA
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CCTGCAGTTTAGGGCCCTGTGAGAGGACATGGCGCTGGTTCACAGGCCCTGGAGTGGTGTCTCCTCGGA
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TCTCCCAGCAACTGTTCCACCTACCCAGGCCGCTGCCTGCAGCCCTGTGAGGGCAGGCCTGTGAGG
ACAAATGGTCTCCTACTCTCTGGAGTCCGTGTTCTCGATCCTGCCAGGGAGGCATGCAGACGAGGGAAGT
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CCCTGCAACAGCAACCCCTGCAACCAGCGACCAGATGACCAATGCAAGGACAGCTCTCCACTGCCCC
TGGTGGTACAGGCCCGGCTCTGCGTCTACCCCTACTACAACTACCTGCTGCCGCTCTTGTGCCATGT
CCTGGAGCAGTCCCAGCTGGAACCGGCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_144899

Insert Size:

3111 bp

OTI Disclaimer:

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).

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_144899.3](#), [NP_659148.2](#)

RefSeq Size:

3938 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 (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.