

Product datasheet for MC223215

Thsd4 (NM_001040426) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thsd4 (NM_001040426) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thsd4
Synonyms:	ADAMTSL-6; AdamtSl4; ADAMTSL6; AI585901; B230114P05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223215 representing NM_001040426 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTTCCTATCTCACGAGCTGTCTCAGTGCCCTGAGCACCTCCTGCTGCTGCTTGGTTCTCAGCTTG
TCTGCCCGCAGCCTTCCACTGAACACAGAAAGGTCCCACAACGGATGGCAGTGACCGAGGGAACCCAGAG
GGACAGTGGCAGTGGCTCCCCAGGTGTGTGGGGCTCCTGGGGCCCCTGGTCTGCCTGTTCTCGCAGCTGC
AGTGGTGGTGTGATGGAGCAGACACGGCCCTGCCTGCCAGCTCCTACCGTGCTCGAGGAGGCTCCCGGC
CCAATGGCCGTGCACTGTCCATCACTGGCCACGTTGTGTGTCAGCCGTACGGACCTCAGTACCCTGCATCG
AAGCCAGGAGGACCAAAGAGCCCTGGCTGGCTCCAATGCTAGCCGCAAGGCCCTGCAGTGGTGGCAGGC
AGCCGACATCCACAGGCCCGGGCCGTGAACCCCTCAGAGAGAAGGAGCAGGACCCGAGGTCTATTGGCC
CTGGCAAGTATGGCTATGGGAAGGCTCCCTACATCTTACCACTGCAGACGGATACCACGCATACTCCACA
GAGGCTTCGGAGACAGAGGCCTTCATCCAGGCACTCCAGGTCCCAGGAGGCATCTGCTTCTAAGCAGGGC
TATCGGCCACCAACCCATCAGTTCTCCACAGCCAACCTCTACCAGAGTGACAGTGGCCCTCGCTCTG
GACTGCCACCTTCTGAGGCTTCTATCTACCAGCTGCCCTTGACTCAGACCAAAGCTATCCTGCAGCGTC
GAGTCTCTTCCACAGACCGGAAGTGAAGCAATCTCCTGCATCGGGGCTATCGGCAGTACAACTGTCAACACCA
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ATGCGTGTCCAGAAAGTGGTAGAAGTATCCGGGAGGTACAGTGTGCATCCTACAACAACAAGCCATTCTCAT
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GCAACCGGCTACCGCTTCTACGTCGGCAAGCTGAGAAGGTATCGATGGCACACCCTGTGATCAGAATG
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CTTGGACAAGTGCGGGTGTGTGGAGGTGATAACACGGGCTGCCAGTGGTGTGCGGAGTGTCAAGCAC
GCCCTCACCAGCCTGGGCTACCACGGGTTGTAGAGATCCCAAGGAGCTACGAAAATTAACATTACAG
AGATGCACAAGAGCAACAACCTACTAGCCTTGCAGAGTCGCTCTGGCCGCTCCATCATCAATGGGAAGT
GGCAATCGATCGCCCGGGAAGTACGAGGGCGGAGGACAATGTTACCTACAAACGACCGAACGAGGTC



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TCCAGCACTGCGGGGAGTCCTTTCTGGCTGAGGGTCCCACTAATGAGATCCTGGATGTCTATATGATAC
ACCAGCAGCCCAACCCAGGAGTCCACTATGAGTACGTGATCATGAGGAATAATGCCATCAGCCCACAGGT
GCCACCACACAGGAGACCAGGAGAACCTTTCAATGGGCAGCTGGAAGAGGAAGACAGAGGCCAGGAGGAC
AGAGAAGAGAGGGAGAAGAACCAGGAAAAGGAAGACTCACAAGTCGAGGCCCTGAGGTATTCACGTCAG
AATCCACGCAGACCTTCCCAGTCAGGCATCCGGAGAGATTCCTTCCCACCGACCAGACAACCTTGGTGCC
CCCAGCACACAGCCCCAAGCGAAGCCGGGACCACAACCTGGAAGCAGCTGGGGACAACAGAATGCTCC
ACCACCTGTGGAAAGGATCGCAGTACCCTATCTCCGCTGCGTGCACAGAAACACACACAGGAGGTTCC
CCGAGAGCTACTGTGACTCCAGCATGAAGCCGACCCAGAGGAGGAACCTGCAACCTCTTCCCCTGCC
AGCCTTCTGGGACATCGGGGAGTGGTCCGAGTGCAGCAAGACCTGTGGTCTGGGCATGCAGCACCCGCCAG
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GAGGCTACGCCGTGTGACAATGGCCCTGCACAGGCAAGTGGAGTGGTTCACTGGCAGCTGGAGTCACT
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TGAAGTGTAGACCCCTTATGAGTGTTTATTCTGGAGAAGCCCCAAGCCAGCAGGCCTGCCACCTCAAG
CCTTGTGGAGCTAAATGGTTTACACAGAAATGGAGCATGTGCTCAAGAGCTGTGAGGGCGGATCCGGG
TGCGGGAAGTTCCGGTGTCTCTCAGATGACATGACCCCAAGTAGCCTCTGCGACCCCCAGTTGAAACCAGA
AGAGAGAGAGTCTTGTAACTCAGGACTGTGTCCCTGAAGTTGATGAAAAGTGAAGGACAAGTACTAC
AACTGCAACGTGGTGGTCCAGGCACGCCCTGTGTCTACAACACTACAAGACTGCCTGTGTGCCTCTT
GCACCCGAGTGGCTAACAGACACGTGGGCTTTCTGGGGAGCCGATAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Chromatograms: https://cdn.origene.com/chromatograms/ja2466_f02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001040426

Insert Size: 3057 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001040426.3](#), [NP_001035516.2](#)

RefSeq Size: 8796 bp

RefSeq ORF: 3057 bp

Locus ID: 207596

UniProt ID: [Q3UTY6](#)

Cytogenetics: 9 B

Gene Summary: Promotes FBN1 matrix assembly. Attenuates TGFB signaling, possibly by accelerating the sequestration of large latent complexes of TGFB or active TGFB by FBN1 microfibril assembly, thereby negatively regulating the expression of TGFB regulatory targets, such as POSTN. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.