

Product datasheet for **RC239239**

THSD4 (NM_001286429) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THSD4 (NM_001286429) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	THSD4
Synonyms:	ADAMTSL-6; ADAMTSL6; FVS9334; PRO34005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239239 representing NM_001286429
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGTGCTACCTGATATTAACATTGCTCCACGTTCAAACAGCAGTGTTAGCAAGACCTGGGGGAG
 AGAGCATTGGCTGTGATGACTACTTAGGCTCCGACAAAGTCGTGGACAAATGTGGGGTGTGTGGAGGAGA
 CAACACGGGCTGTCAGGTTGTGTCGGGCGTGTTAAGCATGCCCTCACCAGCCTGGGCTACCACCGCGTC
 GTGGAGATTCCCAGGGAGCCACGAAAATCAACATCACGGAGATGTACAAGAGCAACAATATTTGGCCC
 TGAGAAGTCGTTCTGGACGCTCCATCATCAATGGGAACTGGGCAATTGATCGACCAGGAAAATACGAGGG
 CGGAGGGACCATGTTACCTACAAGCGTCCAAATGAGATTTGAGCACTGCCGGAGAGTCCTTTTGGCG
 GAAGGTCCCAACGAGATCTTGGATGTCTACATGATACACCAGCAGCCAAACCCAGGCGTGCCTACG
 AGTACGTGATCATGGGGACCAACGCCATCAGCCCCAGGTGCCACCCACAGGAGACCAGGGGAACCCCTT
 CAATGGCCAGATGGTGACAGAAGGCAGGAGCCAGGAGGAGGAGAACAGAAAGGGAGGAACGAGGAGAAG
 GAAGACTTGCCTGGGAGGCCCTGAGATGTTACCTCAGAATCGGCACAGACCTTCCCAGTCAGGCATC
 CAGACAGATTTTCTCCCATCGACCGGACAACCTTGGTGCCACCAGCACCCAGCCCCACGGCGCAGCCG
 GGATCACAACCTGGAAGCAGCTTGGGACAACAGAATGTTCCACGACCTGTGGGAAAGGATCGCAGTACCTT
 ATTTTCCGCTGTGTGCACAGAAGCACTCATGAAGAGGCTCCTGAGAGTTACTGTGACTCCAGCATGAAGC
 CGACCCCCGAGGAGGAGCCCTGCAACATCTTCCCTTGGCCAGCCTTCTGGGACATCGGGGAGTGGTCTGA
 GTGCAGCAAGACCTGTGGCCTGGGATGACAGCACCGCCAGGTTCTGTGCCCGCAGGTGTACGCCAACCGC
 AGCCTGACGGTGCAGCCCTACCGCTGCCAGCACCTGGAGAAACCTGAGACCACCAGCACCTGCCAACTCA
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 GACCCGTGATGTGAAGTGTGTGAGCAACATTGGGGATGTGGTTGACGATGAGGAATGCAACATGAAGCTC
 CGGCCGAATGACATTGAGAACTGCGACATGGGACCCTGTGCCAAGAGCTGGTTCTCACCAGTGGAGCG
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 CAGCCTGCCCCTGGAGGGCTGTGGGAACAACCGGCCGCGCAGAGGCCACCCCATGTGACAACGGACCCTGC
 ACGGGCAAGGTGGAGTGGTTTGGCGGGAGCTGGAGTCAGTGTTCATCGAGTGTGGGAGCGGGACGCAAC
 AGAGGGAGGTGATTTGTGTTAGAAAGAATGCAGACACCTTTGAAGTGTGGACCCCTCTGAATGTTCTTT
 CCTGGAGAAACCCCCAGCCAGCAATCCTGCCACCTCAAGCCTTGCAGGACCAATGGTTTAGCACCGAA
 TGGAGCATGTGTTCCAAGAGCTGCCAGGTGGCTTTCGGGTCCGGGAAGTGGGTGTCTGTCTGATGACA
 TGAATCTAAGTAACCTCTGTGACCCTCAGTTGAAACCAGAAGAGAGAGAACTTTGTAACCCCTCAGGACTG
 TGTCCCTGAAGTTGATGAAAACGCAAGGACAAGTACTACAACGCAACGTGGTGGTCCAGGCAAGACTC
 TGTGTCTACAACCTACTACAAGACCGCCTGCTGTGCCTCCTGCACCCGTGTGGCCAACAGGACAGCGGCT
 TCCTGGGGAGCAGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239239 representing NM_001286429
 Red=Cloning site Green=Tags(s)

MFVSYLILTLHVQTAVLARPGGESIGDDYLGSDKVVDKCGVCGDNTGCQVVSQVFKHALTSLGYHRV
 VEIPEGATKINITEMYKSNNYLALRSRSGRSIINGNWAIDRPGKYEGGTMFTYKRPNEISSTAGESFLA
 EGPTNEILDVYMIHQPNPGVHYEYVIMGTNAISQVPPHRRPGEPFNGQMVTEGRSQEEGEQKGRNEEK
 EDLRGEAPEMFTSESAQTFPVRHPDRFSPHRPDNLVPPAPQPPRRSRDHNNKQLGTTECSTTCGKGSQYP
 IFRCVHRSTHEEAPESYCDSSMKPTPEEEPCNIFPCPAFWDIGWSECSKTCGLGMQHRQVLCRQVYANR
 SLTVQPYRCQHLEKPETTSTCQLKICSEWQIRTDWTSVPCGVGQRTDVKCVSNIGDVVDDEECNMKL
 RPNDIENCDMGCAKSWFLTEWSECSAECGAVRTRSVVCMTHVSSLPLEGCGNNRPAEATPCDNGPC
 TGKVEWFAGSWSQCSIECGSGTQREVICVRKNADTFEVLDPSECSFLEKPPSQSCHLKPCGAKWFSTE
 WSMCKSCQGGFRVREVRLSDDMTLSNLCDPQLKPEERESCNPQDCVPEVDENCKDKYYNCNVVQARL
 CVYNNYKTACCASCTRVANRQTGFLGSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001286429

ORF Size: 1974 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001286429.2](#)

RefSeq Size: 8194 bp

RefSeq ORF: 1977 bp

Locus ID: 79875

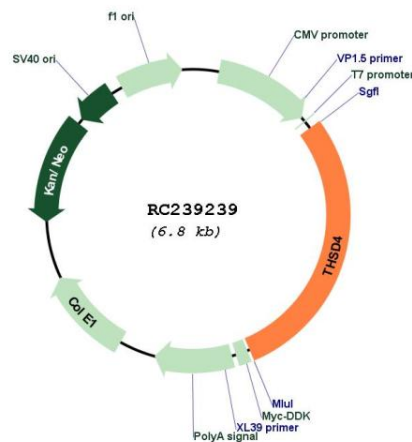
UniProt ID: [Q6ZMP0](#)

Cytogenetics: 15q23

MW: 73.9 kDa

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239239