

Product datasheet for **SC318444**

THSD4 (NM_024817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	THSD4 (NM_024817) Human Untagged Clone
Tag:	Tag Free
Symbol:	THSD4
Synonyms:	ADAMTSL-6; ADAMTSL6; FVSY9334; PRO34005
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318444 representing NM_024817. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGTTTCCCATTTTCATGGGGTCTCTCAGTGCTCTGTGTTTCCTTCTGCTGCTTGGATTCCAGTTCGTC
TGCCACAGCCCTCCACTCAACACAGGAAGGTCCCGCAGCGGATGGCGGCGGAGGGCGCCCCGAGGAC
GACGGCGGCGGCGGCCCGGGAGTGTGGGGCGCTGGGGCCCTGGTCGGCCTGCTCGCGTAGCTGC
AGCGGGCGCGTGATGGAGCAGACGCGGCCCTGCCTGCCCCGCTCCTACCGCTGCGGGCGGCCAGCGG
CCTGGCGCCCCTGCGCGCCCTTCGCGGACCACGTGGTGTGGCGGTGCGCACGTGGTGCCACTGCAC
CGGAGCCGCGACGAGACGCCAGCGCTGGCCGTACGGACGCCAGCGCCAGGGCCCCACGGTGTGCGA
GGCAGCCGGCACCCACAGCCCCAGGGCCTCGAAGTCACTGGGGACAGAAGGAGCAGGACCCGTGGTACC
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ACGCCACAGAGGCTCCGGAGACAGAAGCTCTATCCCGCCATTCCAGGTCCCAGGGAGCATCTTCTGCT
AGGCATGGCTACAGTTCACAGCCACACAGGTCCCCAACATGGGCCCTTGTACCAAGTGACAGTGGC
CCTCGCTCTGGACTGCAGGCTGCGGAGGCCCCATCTACAGCTACCTTTGACCCATGATCAAGGTAC
CCTGCAGCTTCAAGTCTCTTTCACAGCCAGAAACAAGCAACAACACGGTGTGGGGACCATGGGGCA
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ACGAAATCAACATCACGGAGATGTACAAGAGCAACAATATTTGGCCCTGAGAAGTCGTTCTGGACGC
TCCATCATCAATGGGAAGTGGCAATTGATCGACCAGGAAATACGAGGGCGGAGGGACCATGTTACCC
TACAAGCGTCAAATGAGATTTGAGCACTGCCGGAGAGTCCTTTTGGCGGAAGGTCCACCAACGAG



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ATCTTGATGTCTACATGATACACCAGCAGCCAAACCCAGGCGTGCACTACGAGTACGTGATCATGGGG
ACCAACGCCATCAGCCCCAGGTGCCACCCACAGGAGACCAGGGGAACCTTCAATGGCCAGATGGTG
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CCCCATCGACCGACAATTGGTGCCACCAGCACCAGCCCCACGGCGCAGCCGGGATCACAACCTGG
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TGCTCAGCGGAGTGTGGGCGGAGTGGGACACGCTCGGTGGTGTGCATGACCAACCATGTCAGCAGC
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CTGGAGAAACCCCGAGCCAGCAATCCTGCCACCTCAAGCCTTGCGGAGCCAAATGGTTTAGCACCGAA
TGGAGCATGTGTTCCAAGAGCTGCCAGGTGGCTTTCGGGTCCGGGAAGTGGCGTGTCTGTCTGATGAC
ATGACTCTAAGTAACCTCTGTGACCCTCAGTTGAAACCAGAAGAGAGAGAATCTGTAAACCTCAGGAC
TGTGTCCCTGAAGTTGATGAAACTGCAAGGACAAGTACTACAACGCAACGTGGTGGTCCAGGCAAGA
CTCTGTGTCTACAACACTACAAGACCGCTGCTGTGCCTCTGCACCCGTGTGGCAACAGGCAGACG
GGCTTCTGGGGAGCAGATAA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCGGC

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Restriction Sites: SgfI-MluI

ACCN: NM_024817

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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_024817.2

RefSeq Size: 9145 bp

RefSeq ORF: 3057 bp

Locus ID: 79875

UniProt ID: Q6ZMP0

Cytogenetics: 15q23

Domains: tsp_1

MW: 112.5 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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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.

CCDS Note: The coding region has been updated to include additional 5' exons and to extend the N-terminus to one that is more supported by available transcript and conservation data. The update adds an additional TSP1 (Thrombospondin type 1 repeats) domain and an Adam_spacer 1 domain to the protein.