

Product datasheet for **MC224791**

Thsd7a (NM_001164805) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thsd7a (NM_001164805) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thsd7a
Synonyms:	Gm837
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224791 representing NM_001164805 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTTGCGAGCCGGGCGCCTGGCGTCCCCGAGCCGGGGCGTCTGCAGCTGCTGCGGTTGCCACTGC
TCTTGCTACTCCTGCTGAGCTCTGGCGCCCGGGGCTGCGGCGCAGGGAGACACCGAGGTGCCACCCCT
CTATCTGTGGAAGACCGGTCCCTGGGACGATGCATGGGAGATGACTGTGGACCGGGCGGCATCCAGACT
CGGGCTGTGTGGTGTGCTCACGTGGAAGGCTGGACTACGTTACATACAACTGCAAGCAGGCTGTGAGAC
CCAGTAACCAGCAAACTGTTTCAAGTCTGTGACTGGCACAAGGAATTGTACGACTGGAGGCTGGGAAC
CTGGGATCGGTGTGAGCCTGTGATTTGAAAAGCCTCGAGAAATCGCGAGAATGCGTGAAGGGTGAGGAA
GGCATCCAGGTGAGAGAGATAATGTGCATCCAAAAGGACAAGGACATTCCCGCCGAGGACATCATCTGCG
AGTACTTTGAACCAAGCCCTTCTGGAACAGGCTGCCTCATCCCTTGCCAGAAAGACTGCATCGTGTC
TGAGTTCTCACCTGGTCTGAGTGTCCAGGACCTGTGGCAGTGGCTGCAGCACCACGAGGCACGTCG
GTTGCACCGCCACAGTATGGAGGCTCTGGCTGTCCCACTCACCGAGTTTCAGGTGTGCCAGTCCAACC
CCTGCGAGGAGGATGAGAGCTTGTACAGCTTGCAGGTGGGGCCCTGGAGCGCATGCTCAGTCCCACACAC
AAGGCAAGCCAGGCAAGCCAGGCGTCGTGGCAAGAACAAGGAGAGGGAGAAGGAGAGAGGAAAAGCCGTG
AAGGACCCAGAGCCCGTGAGCTCATCAAGAAGAAGAGAACAAGAAACAGAACAGACAGACAGGAGAA
GATACTGGGACATCCAGATTGGCTATCAGACCCGGGACGTGACGTGCTTAAACAGGACTGGGAAATCTGC
GGACCTCAGCTTTTGCCAGCAAGAGAGGCTGCCCATGACCTTCCAGTCTGCGTGATCACAAAGAGTGC
CAGGTGTCTGAGTGGTTGGAATGGAGCCATGTTCAAAAACATGCCACGATGTCACATCCCTACAGGCA
CTCGAGTAAGGACAAGGACTATCACACAGTTTCCGATTGGAAGTGAAGGAATGTCCAGCTCTTGAGGA
GAAGGAGCCCTGTGTGCTCAGGGAGATGGAGCTGTCTCTGTGCTACATATGGCTGGAGAACTACAGAG
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GTGGAGGAGGTGCCAGACCCGGGAAATATATTGCATACAAACCAACGACAACATGCTCTCCATGGAAA
TACACAGAAGGACAAAGAAGCTTCAAACCAAGTGGACTCAAATATGCACTGGCCCTGTTCTTAACACC



ACACAGCTGTGCCACGTTCTTGTCCAATTGAATGTGAGGTTTCGCCTTGGTCAGCCTGGGACCATGTA
 CTTATGAAAACCTGTAATGACCAGCAAGGCAAAAAAGGATCAAATTAAGGAAGCGACGCATTACTAATGA
 GCCTACTGGAGGTTCTGGGGCAACTGAAAACCTGCCCTCACTTATTGGAAGCCATTCCCTGTGAAGAGCCA
 TCCTGCTATGACTGGAATCAGTGAGACTCGGAGACTGTGAACCAGATAATGGAAAATCCTGTGGCCTG
 GCACTCAAGTTCAAGAGGTTGTATGCATCAACAGTGATGGAGAAGAAGTGGACAGACAGCTCTGCAGAGA
 CGCAATCTTTCTATCCCTGTGGCCTGTGATGCTCCATGCCCGAAGGACTGTGTCTCAGTGCCTGGTCC
 TCGTGGTCTCCTGTCGATACCTGCTGGGAAAACACAGAAGGGAACAGACCCGACCCGGTCAA
 TTTTGGCCTATGCAGGTGAAGAAGGTGGAATTCGCTGCCCTAACATCAGTGCTTTGCAAGAGGTGCGCAG
 CTGCAATGAGCATCCTTGCACTGTGTACCACTGGCAAACCTGGTCCCTGGGGTCAGTGTATAGAGGACACA
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 GAAAAGTCATCTGTGTGCGAGTCAACGTGGGCCAAGTGGGACCTAAGAAGTGTCTGAAAGCCTTCGGCC
 TGAAACAGTGAGACCCTGCTTGTCTTGTGCGAAGGACTGTGCTGACCCCATACAGTGACTGGACT
 CCATGCCCTCTCATGCAGAGAAGGAGACTCTGGAGCCAGGAAGCAGTCTCGACAGCGAGTCAATTC
 AGCTGCCAGCCAATGGCGCAAGGAATGCTCAGACCCACTATATGAAGAGAAGGCCTGTGAAGCCCTCC
 CACATGTCACAGCTACAGGTGGAAGACACACAAATGGCGCAGGTGCCAGTTAGTTCCTTGGAGCATTCAA
 CAGGATGTTCTGGAGCACAGGAAGGCTGCGGACCTGGCGGCAGGCAAGAGCCATTACTTGTGCAAAAGC
 AAGATGGAGGGCAGGCTAGCATCCAGGAGTGCCTCCAGTATGCAGGCCCTGTGCCAGCCCTGACCCAGGC
 TTGCCAGATCCCCTGCCAAGATGACTGTCAATTTACCAGCTGGTCCAAGTTTTCTTATGCAACGGAGAGC
 TGCGGTGCAGTTAGGACCAGAAAGCGTGCTATTGTTGGGAAAAGTAAAAAGAAGGAAAAATGAAAAACT
 CTCATTTGTACCTCTGTATCGAGACCCAGTATTGTCCCTGTGACAAAATAACGCACAGCCTGTGGGGAA
 CTGGTCAGACTGTATTTACCGGAAGGGAAGGCGGAGGTGCTGCTGGGAATGAAGGTACAAGGCGACAGC
 AAGGAATGCGGGCAAGGATACCGTTACCAAGCGATGGCGTGCTATGATCAAAATGGCAGACTTGTGAAA
 CATCGCATGCAACAGCCATGGTTACATAGAAGAAGCCTGCATCATCCCCTGCCCTCAGACTCAGACT
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 CTGCGCGAAAAGCCTTATAACGGAGGAAGGCTTGCCCAAACCTGGACCATGTCAACCAGGCACAGGTGT
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 AATACAGCAGATGGCCCTTCTGAACATGTGGAGGATTACCTGTGTGACCCAGAAGATAGCCCTGGGCT
 CTAGAGAGTGTAACTCCATGCCCTGAGGACTGTGTCATATCTGAGTGGGACCATGGACCCAGTGTGC
 TTTGCCTTGAATCCAAGTGGTTCGAGGCAAAGGTGAGCCGATCCCATCAGACAGCCTGTGATGAAGGA
 AGAGCCTGCCCTGATGCTGTGGAGAAGAGCCCTGTAGCCTGAACAAAATGTTACCACATGACTATA
 ATGTCACAGACTGGAGTACGTGTGAGTGTGAGCGAGAAGGCAAGTTGTGGGAATGGCATTAAACAAGGAT
 GTTGGACTGTGTTGCAAGTGTGGAAGTCCGTTGACCTAAAGTACTGTGAAGAGCTTGGGCTGGAAAAG
 AATTGGCCAATGAACACATCCTGCACAGTGAATGCCCTGTGAACTGCCAGCTTTCTGACTGGTCTTCTT
 GGTCAATGTTCTCAAACATGTGGACTCACAGGAAAAATGATACGAAAACGAAGTGAACCCAGCCCTT
 TCAAGGTGATGGGAGGCCCTGCCCTTCTGATGGAACAGTCCAAGCCTTGCCAGTGAAGCCATGTTAT
 CGGTGGCAATATGGCCAGTGGTCTCCATGCCAAGTTCAGGAGGCCAGTGTGGAGAAGGAACCAGGACAC
 GGAATATTTCTTGTGTTGTGAGTGTGGCTCAGCTGAGGATTTGAGCAAGTGGTGGACGAAGAGTTCTG
 GCTAACACAGAGCTCATATAGATGGTAATAACAAAATAGTTTTGGAGGAAACCTGCACCCAGCCCTGC
 CCAGGTGACTGTTATTTGAATGACTGGTCTTATGGAGTCTGTGTCAGCTGACCTGTGAAATGGTGAGG
 ATCTTGGCTTTGGTGAATACAAGTCCGGTCCAGAGCAGTGATTATAACAAGAACTGGAGAATCAACACCT
 ATGTCCAGAGCAGATGTTAGAAACAAAATCATGTGATGACGGACAATGCTATGAGTACAAGTGGGTGGCA
 AGTGCTTGGAAAGGCTCCTCTCGGACAGCTGGTGTCAAAGATCAGATGGCATAAACGTAACAGGGGGCT
 GCTTGGTGGTGAAGCCAGCCTGATACTGACAGGCTTGTAAACCCACCCTGTAGTCAACCCGACTCATATTG
 TAGTGAGATGAAGACCTGCCGTGTGAAGAAGGGTACTGAAGTCAATGCTCTAACAGCACCCCTGAG
 CAATGCACACTTATCCCGTGGTGGTATTCCCACTGTGGAGGATAAAAAGAGGAGATGTGAAAACAGCC
 GGGCAGTTCAACCAACCCAGCCCTCCATTAACCCAGCAGGACGGGGCAGGACATGGTTTCTACAGCCATT
 TGGGCCAGATGGAAGATTAAGACCTGGGTTTATGGTGTGCGAGCCGGGGCATTGTGCTGTTAGTCTTC
 ATTGTCTCCATGATTTATCTAGCGTGCAAAAAGCCAAAAGAAACCCAAAGACGGCAGAACAACCCGCTCA
 AACCTTTAACCTTAGCATACGATGGAGACGCTGATATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001164805

Insert Size:

4941 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_001164805.1](#), [NP_001158277.1](#)

RefSeq Size:

11019 bp

RefSeq ORF:

4941 bp

Locus ID:

330267

UniProt ID:

[Q69ZU6](#)

Cytogenetics:

6 A1

Gene Summary:

Thrombospondin type-1 domain-containing protein 7A: Plays a role in actin cytoskeleton rearrangement.[UniProtKB/Swiss-Prot Function]