OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR231169

Thsd1 (NM_001293688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thsd1 (NM_001293688) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Thsd1
Synonyms:	4833423O18Rik; Tmtsp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORF Nucleotide Sequence:

>MR231169 representing NM_001293688
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCCATGTTGAAAGACTTTTCAAATCTCTTGCTGGTGGTGCTCTGTGACTATGTCCTCGGAGAAG
CCGAATACCTCCTCCTCCAAGAGCCAGTCCATGTGGCACTGAGCGACAGAACGGTGTCAGTGGGTTTCCA
CTACCTCAGTGACGTCAACGGGACACTGAGGAATGTGTCTGTCATGCTGTGGGAGGCCAACACCAATCGG
ACTCTTACCACTAAGTACCTCCTGACCAACCAGGCCCAAGGAACACTCCAGTTTGAATGTTTCTACTTCA
AAGAGGCTGGTGACTACTGGTTTGTAATGATCCCGGAAGTGACAGACAATGGCACGCAAGTTCCACTCTG
GGAGAAAAGTGCCTTTCTGAAGGTAGAATGGCCTGTCTTTCACATTGATTTAAATAGGACAGCCAAGGCA
GCAGAAGGCACCTTTCAAGTGGGTGTTTTTACCACCCAACCGCTCTGCCTGTTTCCCGTGGACAAGCCAG
ACATGCTGGTGGATGTTATTTTCACTGACCGTCTTCCGGAGGCAAGAGCAAGTTTGGGACAGCCGCTGGA
GATCAGAGCCAGCAAAAGGACAAAACTCACTCAAGGTCAGTGGGTCGAGTTTGGCTGTGCACCGGTAGGG
GTGGAAGCCTACGTTACAGTCATGCTGAGGCTGTTGGGTCAAGACTCAGTCATTGCTTCTACGGGACCTA
TTGACCTGGCTCAAAAATTCGGATACAAATTGATGATGGCACCGGAAGTCACGTGTGAGTCTGTGCTGGA
GGTGATGGTACTGCCACCTCCTTGTGTCTTCGTCCAAGGAGTCCTGGCTGTTTACAAAGAAGCCCCCAAA
CGCCCGGAGGAGAGGACTTTCCAGGTGGCTGAAAACAGACTGCCCCTGGGAGAGAGGAGAACGGTGTTCA
ACTGCACTTTATTTGATGTAGGGAAGAACAAATACTGTTTTAACTTTGGAATTGTGAAGAAAGGCCATTT
TTCTGCAAAGGAATGCATGCTAATTCAGAGAAATATAGTTTTCCGGCCACCAGGCCCATCGCCTGTTTCA
CCCCAGGACCCTGTGAAGTCCAACAACGTGGTGACCGTCACAGGGATCTCCCTGTGCCTGTTCATCATCT
TTGCCACGGTGCTCATCACTCTCTGGAGGAGGTTTGGCCGAGCCCCCAAATGCAGCACGCCCGTTCGCCA
CAACTCCATCCATTCCCCTGGCTTCCGGAAGAACTCCGATGAAGAGAACATCTGCGAGCTGAGTGAGCCT
CGCGGAAGCTTCTCGGATGCCGGTGACGGACCTAGGGGAAGCCCAGGGGACACGGGCATCCCATTGACTT
ACAGGTGCAGTGCATCAGCGCCTCCTGAGGATGAGGCCTCGGGCAGTGAGAGCTTCCAGTCCAACGCTCA
GAAGATCATCCCGCCCTTGTTTAGCTACCGCCTTGCCCAGCAGCAGCTGAAGGAGATGAAGAAGAAAGGG
CTGACCGAGACCACCAAAGTGTACCACGTATCTCAAAGCCCCCTGACAGACACTGTAGTGGATGCCACGG
CCAGCCCTCCCTTAGACCTGGAATGCCCCGAAGAGGCTGCAGCAAGCAAGTTCCGAATCAAATCTCCATT
TCTGGACCAGCCTGGGGCAGGTACCGGGGAAAGGCCTCCCTCCAGGCTGGATGGCATCGTGCCTCCTCCT
GGCTGTGCGGTCAGTCCCAGCCAGACCCTGATCCGAAAGTCACAGATAAGGTCGACCGGTGGCAGAGATG
GCTCATCGGAGAGGTGCCACTCCAGAAGTTCCCTCTTCAGGAGGACTGCTAGTTTTCATGAAACCAAGCA
GTCTCGCCCTTTCCGGGAGAGGAGTTTGTCAGCCCTGACTCCCCGCCAGGTCCCCGCCTACAGTTCCAGG
ATGCGGACCTGGGACCAGATGGAGGATAGATGTCGGCCTCCCAGTCGAAGTACCCACCTGCTTCCAGAGA
GACCAGAGCACTTCCAAGGGGCAGGTCGGACCAGCAGTCCTTTGGGTCCACTCTCCAAATCCTACACTGT
GGGGCATCCCAGGAGGAAACCGGACCCAGGGGATCGTCAGGCCGGATTGGTGGCAGGAGCTGAGAAAATG
GAGCCTCACCGAGCTCACAGGGGACCGTCCCCCAGTCACAGGAGTGCCTCAAGGAAGCAGTCTTCCCCCA
TTTTCCTCAAAGATAGCTACCAGAAAGTCAGTCAGCTTAGCCCTTCTCACTTCAGAAAAGATAAATGCCA
GAGCTTCCCCATCCACCCCGAGTTCGCCTTCTATGACAATACCTCTTTCCGCCTCACCGAGGCTGAGCAG
AGAATGCTGGACCTCCCAGGATACTTCGGCTCCAACGAAGAGGACGAAACCACAAGTACACTCAGTGTGG
AGAAGTTAGTGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Protein Sequence:

>MR231169 representing NM_001293688
Red=Cloning site Green=Tags(s)

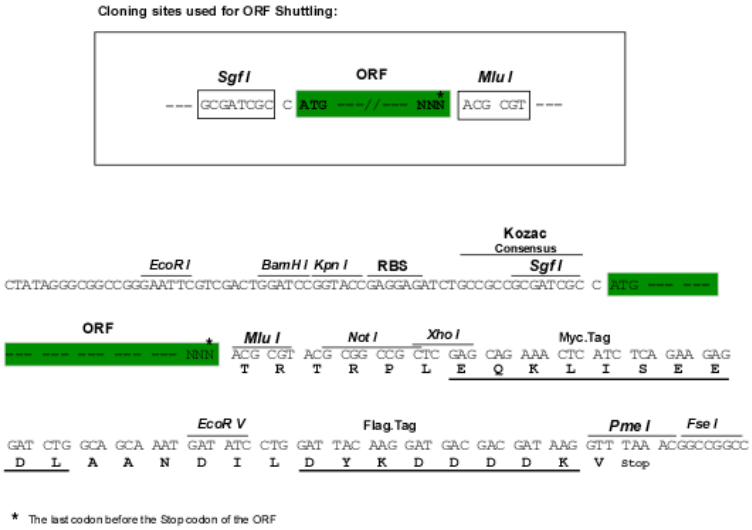
MKPMLKDFSNLLLVVLCDYVLGEAEYLLLQEPVHVALSDRTVSVGFHYLSDVNGTLRNVSVMLWEANTNR
TLTTKYLLTNQAQGTLQFECFYFKEAGDYWFVMIPEVTDNGTQVPLWEKSAFLKVEWPVFHIDLNRTAKA
AEGTFQVGVFTTQPLCLFPVDKPDMLVDVIFTDRLPEARASLGQPLEIRASKRTKLTQGQWVEFGCAPVG
VEAYVTVMLRLLGQDSVIASTGPIDLAQKFGYKLMMAPEVTCESVLEVMVLPPPCVFVQGVLAVYKEAPK
RPEERTFQVAENRLPLGERRTVFNCTLFDVGKNKYCFNFGIVKKGHFSAKECMLIQRNIVFRPPGPSPVS
PQDPVKSNNVVTVTGISLCLFIIFATVLITLWRRFGRAPKCSTPVRHNSIHSPGFRKNSDEENICELSEP
RGSFSDAGDGPRGSPGDTGIPLTYRCSASAPPEDEASGSESFQSNAQKIIPPLFSYRLAQQQLKEMKKKG
LTETTKVYHVSQSPLTDTVVDATASPPLDLECPEEAAASKFRIKSPFLDQPGAGTGERPPSRLDGIVPPP
GCAVSPSQTLIRKSQIRSTGGRDGSSERCHSRSSLFRRTASFHETKQSRPFRERSLSALTPRQVPAYSSR
MRTWDQMEDRCRPPSRSTHLLPERPEHFQGAGRTSSPLGPLSKSYTVGHPRRKPDPGDRQAGLVAGAEKM
EPHRAHRGPSPSHRSASRKQSSPIFLKDSYQKVSQLSPSHFRKDKCQSFPIHPEFAFYDNTSFRLTEAEQ
RMLDLPGYFGSNEEDETTSTLSVEKLVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Cloning Scheme:

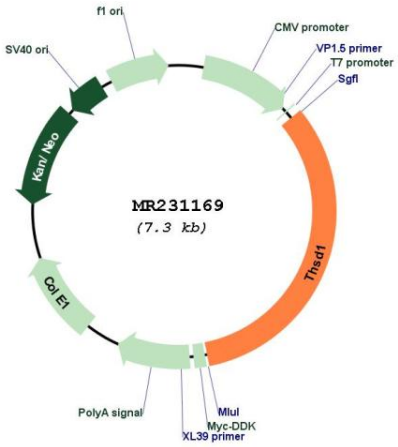


ACCN:	NM_001293688
ORF Size:	2394 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_001293688.1, NP_001280617.1
RefSeq Size:	4273 bp
RefSeq ORF:	2397 bp
Locus ID:	56229
Cytogenetics:	8 A2
MW:	89.4 kDa
Gene Summary:	Is a positive regulator of nascent focal adhesion assembly, involved in the modulation of endothelial cell attachment to the extracellular matrix.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR231169

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US