

Product datasheet for **MC228940**

Thsd1 (NM_001205253) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thsd1 (NM_001205253) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Thsd1
Synonyms:	4833423O18Rik; Tmtsp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228940 representing NM_001205253
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGGAGGCCAACACCAATCGGACTCTTACCCTAAGTACCTCCTGACCAACCAGGCCCAAGGAA
 CACTCCAGTTTGAATGTTTCTACTTCAAAGAGGCTGGTACTACTGGTTTGAATGATCCCGGAAGTGAC
 AGACAATGGCACGCAAGTTCCACTCTGGGAGAAAAGTGCCTTTCTGAAGGTAGAATGGCCTGTCTTTAC
 ATTGATTTAAATAGGACAGCCAAGGCAGCAGAAGGCACCTTTCAAGTGGGTGTTTTTACCACCCAACCGC
 TCTGCCTGTTTCCCGTGGACAAGCCAGACATGCTGGTGGATGTTATTTTCACTGACCGTCTTCCGGAGGC
 AAGAGCAAGTTTGGGACAGCCGCTGGAGATCAGAGCCAGCAAAGGACAAAACCTCACTCAAGGTCAGTGG
 GTCGAGTTTGGCTGTGCACCGGTAGGGGTGGAAGCCTACGTTACAGTCATGCTGAGGCTGTTGGGTCAAG
 ACTCAGTCATTGCTTCTACGGGACCTATTGACCTGGCTCAAAAATTCGGATACAAATTGATGATGGCACC
 GGAAGTCAGTGTGAGTCTGTGCTGGAGGTGATGTTACTGCCACCTCCTGTGTCTTCGTCGAAGGAGTC
 CTGGCTGTTTACAAAGAAGCCCCAAACGCCCGGAGGAGAGGACTTTCAGGTGGCTGAAAACAGACTGC
 CCCTGGGAGAGAGGAGAACGGTGTCAACTGCACTTTATTTGATGTAGGGAGAACAATACTGTTTTAA
 CTTTGGAAATGTGAAGAAAGGCCATTTTCTGCAAAGGAATGCATGCTAATTCAGAGAAATATAGAACT
 TGGGGACCATGGCAGCCGTGGAGCCCGTGTAGCACACGTCGCGGGATGCTGTCCGAGAGCGTCGCCGCC
 TGTGTGCACTTCTTCCCTCCAGACCCAGCTGCTCTGGAATGTCCTCAGAGACCTCCTCATGCTCCCT
 GGAGGAGTGTGCTGTTTTCCGGCCACCAGGCCATCGCCTGTTTACCCAGGACCCTGTGAAGTCCAAC
 AACGTGGTGACCGTCACAGGGATCTCCCTGTGCCTGTTTCCATCATCTTGGCACGGTGCTCATCACTCTCT
 GGAGGAGGTTTGGCCGAGCCCCAAATGCAGCACGCCGTTTCGCCACAACCTCCATCCCTCCCTGCTT
 CCGGAAGAATCCGATGAAGAGAACATCTGCGAGCTGAGTGAGCCTCGCGGAAGCTTCTCGGATGCCGGT
 GACGGACCTAGGGGAAGCCAGGGGACAGGGCATCCCATTGACTTACAGGTGCAGTGCATCAGCCCTC
 CTGAGGATGAGGCCTCGGGCAGTGAGAGCTTCCAGTCCAACGCTCAGAAGATCATCCCGCCTTGTTTAG
 CTACCGCCTTGCCAGCAGCAGCTGAAGGAGATGAAGAAGAAAGGGCTGACCGAGACCACCAAGTGATC
 CACGTATCTCAAAGCCCCCTGACAGACTGTAGTGGATGCCACGGCCAGCCCTCCCTTAGACCTGGAAT
 GCCCCGAAGAGGCTGCAGCAAGCAAGTTCGAATCAAATCTCCATTTCTGGACCAGCCTGGGGCAGGTAC
 CGGGAAAGGCCCTCCCTCAGGCTGGATGGCATCGTGCCTCCTCCTGGCTGTGCGGTGAGTCCAGCCAG
 ACCCTGATCCGAAAGTCACAGATAAGGTCGACCGGTGGCAGAGATGGCTCATCGGAGAGGTGCCACTCCA
 GAAGTTCCCTCTCAGGAGGACTGCTAGTTTTCATGAAACCAAGCAGTCTCGCCCTTTCGGGAGAGGAG
 TTTGTCAGCCCTGACTCCCCGCCAGTCCCCGCCTACAGTTCCAGGATGCGGACCTGGGACCAGATGGAG
 GATAGATGTGCGCCTCCAGTCAAGTACCCACCTGCTTCCAGAGAGACCAGAGCACTTCCAAGGGGCGAG
 GTCGGACCAGCAGTCTTTGGGTCCACTCTCAAATCCTACACTGTGGGGCATCCAGGAGGAAACCGGA
 CCCAGGGGATCGTCAGGCCGGATTGGTGGCAGGAGCTGAGAAAATGGAGCCTCACCGAGCTCACAGGGGA
 CCGTCCCCCAGTCACAGGAGTGCCTCAAGGAAGCAGTCTTCCCCATTTTCTCAAAGATAGCTACCAGA
 AAGTCAGTCAGCTTAGCCCTTCTCACTTCAGAAAAGATAAATGCCAGAGCTTCCCATCCACCCGAGTT
 CGCCTTATGACAATACCTCTTCCGCCTCACCGAGGCTGAGCAGAGAATGCTGGACCTCCAGGATAC
 TTCGGCTCAAACGAAGAGGACGAAACCACAAGTACACTCAGTGTGGAGAAGTTAGTGATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001205253
Insert Size: 2373 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001205253.1</u> , <u>NP_001192182.1</u>
RefSeq Size:	4289 bp
RefSeq ORF:	2373 bp
Locus ID:	56229
Cytogenetics:	8 A2
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] Transcript Variant: This variant (2) differs in the 5' UTR, lacks an exon in the 5' coding region and uses a downstream, in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus and lacks a predicted signal peptide, compared to 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.