

## Product datasheet for RN217676

### Thsd7a (NM\_001191970) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thsd7a (NM_001191970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thsd7a
Synonyms:	RGD1566201
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217676 representing NM_001191970 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCTGCGAGCCGGGCGCCTGGCGTCCCTGAGCCGGGGCGTCTGCAGCTGATGCGGCTGCCACTGC  
TCCTGCTACTCCTGCTGAGCTCTGGAGCCCGGGGCTGCGGCGCAGGGAGACACAGAGGTGCCACCCCT  
CTATCTGTGGAAGACGGGTCCCTGGGACGGTGTATGGGAGATGACTGTGGACCGGGCGGCATCCAGACT  
CGGGCTGTGTGGTGCCTCATTGGAAGGCTGGACAACGTTACATACGAAGTCAAGCAGGCTGTGAGAC  
CCAGTAACCAGCAAACTGCTTCAAAGTGTGTGACTGGCACAAGAGTGTACGACTGGAGGCTGGGACC  
CTGGAATCAGTGTGAGCCTGTGATTTCAAAAAGCCTCGAGAAAGCACGAGAATGTGTGAAGGGGAGGAA  
GGCATCCAGGTGAGAGAGATAACGTGCATCCAGAAGGACAAGGACATCCCGCAGAGGACATCATCTGCG  
AGTACTTTGAACCAAGCCCTCCTGGAACAGGCTGCCTCATCCCTTGTGAGCAAGACTGCATCGTGTG  
TGAGTTCTCGTCTGGTCTGAGTGTCCAGGACCTGTGGCAGCGGCTGCAGCACCAGGACTAGGCACGTG  
GTCGCACCACCACAGTTTGGAGGCTCTGGCTGTCCCACTCACTGAGTTCAGGTATGCCAGTCCAACC  
CCTGTGAGGCAGAGGAGATGTATAGCTTGCAGGTAGGGCCCTGGAGCGCATGCTCAGTACCACACTC  
ACGTCAAGCCAGGCAAGCCAGGCGTCTGGCAAAAACAAGGAGAGAGAGAAGGAGAGAGGAAAAGCTGTG  
AAGGATCCAGAGGCCCGTGTGACTCATCAAGAAGAAGAGAAAACAGAAAACAGACAAAACAGAGAGAA  
GATACTGGGACATCCAGATTGGTACCAGACCAGGGACGTGATGTGCTTAAACAGGACTGGGAAGTCTGC  
GGACCTCAGCTTTTGCCAACAAGAGAGACTGCCCATGACCTTCCAGTCCCTGTGTGATCACCAAAAGAGTGC  
CAGGTGTCTGAGTGGTGGAGTGGAGCCGTGTTCAAAAACATGCCACGATGTCACATCTCCTACAGGCA  
CTCGAGTAAGGACAAGGACCATCAGGCAGTTTCCAATTGGAAGTGAAGGAATGTCCGGAACCTTGAGGA  
GAAAGAGCCCTGTTTGTCTCAAGGAGATGGAGCTGTCTCTGTGCTACGTATGGCTGGAGAACTACAGAA  
TGGACAGAGTGCCACGTGGACCCCTTTGCTTAGTCAGCAGGACAAGAGGCGTGCCAACCAGACAGCCCTCT  
GTGGGGTGGTGTCCAGACCCGGGAAATATACTGCATACAGACCAACGACATCTTGTCTCCCATATAAA  
TACACAGAAGGACAAAGAAGCTTCAAACCAGTGGACTCAAATATGCACTGGTCTGTCTCAACACC



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ACACAGTTGTGCCACGTTCTTGTCCAATTGAATGTGAGGTTTCACCTTGGTCTGCCTGGGACCATGTA  
 CTTATGAAAAATTGTAATGACCAGCAAGGCAAAAAAGGATCAAATTAAGGAAGCGGCGCATTACTAATGA  
 GCCTACTGGAGGTTCTGGGGCAACTGAAAACCTGCCCTCACTTATTGGAAGCCATTCCCTGTGAAGAGCCA  
 TCCTGCTATGACTGGAATCGGTGAGACTCGGAGACTGTGAACCAGATAATGGAAAAGCCTGTGGGCCCCG  
 GCACTCAAGTTCAAGAGGTTGTATGCATCAACAGTGATGGAGAAGAAGTGGACAGACAGCTATGCCGAGA  
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 AAGATGGAGGGCAGGCTAGCATCCAGGAGTGCCTCCAGTATGCAGGCCCTGTGCCAGCCCTGACCCAGGC  
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 CATCGCATGCAACAGCCATGGTTACATAGAAGAAGCCTGCATCATCCCCTGCCCTCCGACTGCAAGT  
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 CTGCGGGAAAAGCCTTATAACGGAGGAAGGCTTGCCCAAACCTAGACCATGTCAACCAGGCGCAGGTGT  
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 GGTGACCTTCGTGGACATGCGAGACAACCTGTGGAGAGGGTGTGCAGACCCGAAAAGTAAAGTGCATGCAG  
 AATACAGCAGATGGCCCTTCTGAACATGTGGAAGACTACCTGTGTGACCCAGAGGATATGCCCTGGGCT  
 CTAGAGAAATGAACTACCATGCCCTGAGGACTGTGTGATATCCGAGTGGGGCCATGGACCCAGTGTTC  
 TTTGCCTTGAATCCAAGTGGTTCGAGGCAAAGGTCAGCAGATCCCATCAGACAGCCCGTGTGAAGGA  
 AGAGCGTCCCCTGATGCTGTGGAGAAGAGCCCTGTAACCTGAACAAAACCTGCTACCGCTATGACTATA  
 ATGTCACAGACTGGAGTACATGTAGCTAAGTGAGAAGGCGGTCTGTGGGAACGGCATTAAACAAGGAT  
 GTTGGACTGTGTTGCAAGTGTGGCAAGTCCGTTGACCTAAAGTACTGTGAAGAGCTTGGGCTGGAAAAG  
 AACTGGCAAAATGAACAGTTCTGCACAGTGAATGCCCTTTGAACTGTCAGCTTTCTGACTGGTCTCCTT  
 GGTGAGAAATGTTGCAAAACATGTGGACTCACAGGAAAAATGATACGAAGACGAACCGTAACCCAGCCCTT  
 TCAAGGTGATGGGAGGCCCTGCCCTTCTGATGGAACAATCAAAGCCTTGCCAGTGAAGCCATGCTAC  
 CGGTGGCAATATGGCCAGTGGTCTCCATGCCAAGTTCAGGAGGCCAGTGTGGAGAAGGAACCCAGGACAC  
 GGAATATTTCTTGTGTCGTGAGTGTGGCTCAGCTGATGACTTCAAGCAAGCGGTGGATGAAGAGTCTG  
 TGCTAACATCGAGCTCATATAGATGGTAATAACAATAAGTTCTGGAGGAAAACCTGCACCCAGCCCTGC  
 CCAGTGACTGTTATTTGAATGACTGGTCTTATGGAGTCTGTGTCAGCTGACCTGTGTAATGGTGAGG  
 ATCTTGGCTTTGGTGAATACAGGTCCGATCCAGAGCAGTGATTATAACAAGAACTGGAGAATCAACACCT  
 GTGCCAGAGCAGATATTAGAAACAAAATCATGTGATGATGGACAATGCTATGAATAACAAGTGGATGGCA  
 AGTGCTTGGAAAGGGCTCTTCTCGAACAGTCTGGTGTCAAAGGTCAGATGGTGTAAATGTAACAGGAGGCT  
 GCTTGGTGGTGGCCAGCCTGATGCTGACAGGCTTGTAAACCCACCCTGTAGTCAACCCCACTCATACTG  
 TAGTGAGATGAAGGCATGCCGTGTGAAGAAGGGTACTGAAGTCAATGCTCTAATAGCACCCCTTGAG  
 CAATGCACACTTATCCCTGTGGTGGTATTCCCCTGTGGAAGATAAAAAGAGATGTGAAAACCCAGTCGGG  
 CAGTTCACCCAACGCAACCTCCAGTAACCCAGCAGGACGGGGCAGGACATGGTTTCTACAGCCATTTGG  
 GCCAGATGGGAGACTAAAGACCTGNGTTTATGGTGTGCGAGCTGGGGCATTGTGCTGTTAGTCTTCATT  
 GTCTCCATGATTTATCTAGCGTGCAAAAAGCCAAAGAAACCCCAAAGACGGCAGAACCAACCCCTCAAAC  
 CTTAACCTTAGCATATGATGGAGACGCGGACATGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001191970

**Insert Size:**

4938 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:**

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\\_001191970.1](#), [NP\\_001178899.1](#)**RefSeq Size:**

4938 bp

**RefSeq ORF:**

4938 bp

**Locus ID:**

500032

**Cytogenetics:**

4q21