

## Product datasheet for RN201766

### Thbs1 (NM\_001013062) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thbs1 (NM_001013062) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thbs1
Synonyms:	TSP-1; Tsp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201766 representing NM_001013062 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGCTCTCAGGGGACTAGGCGTCTGTTCTGTTGCATGTGTGTGGAAGCAACCGCATTCCAGAGT  
CTGGGGGAGACAATGGTGTGTTTCGACATTTTTGAACTCATTGGAGGTGCCCGCAAGGTTCCGGGTGCGCC  
ACTGGTGAAGGGCCAAGATCTATCCAGCCCCGCTTCCGGATCGAGAATGCCAACCTGATCCCCCTGTG  
CCAGATGACAAGTTCCAAGACCTACTGGACGCTGTGTGGGCCGACAAAGGCTTCATCTTCTGGCTTCT  
TGAGGCAGATGAAGAAGACTCGGGGCACACTCCTGGCCGTGGAACGGAAGACAATTCTGGCCAGATCTT  
CAGTGTGGTCTCCAATGGCAAAGCCGGCACCTCGATCTGAGTCTGAGCCTGCCCGGAAGCAGCAAGTG  
GTGTCAGTGGAGGAAGCTCTCCTGGCCACTGGCCAGTGGAAAGAGCATCACGCTGTTTGTCCAAGAAGACA  
GGGCCAGCTCTACATTGACTGTGACAAGATGGAGAGCGCAGAGCTGGATGTTCCCATCCAGAGCATCTT  
CACAAGGGATTTGGCCAATGTCGCCAGGCTCCGAGTCGCAAAGGGAGATGTCAATGACAATTTTCAGGGG  
GTGCTGCAGAATGTGAGGTTTGTCTTTGGAACCACCCAGAAGACATTCTCAGGAACAAAGGCTGCTCCA  
GTTCAACCAACGTCCTTCTCACCTTGACAACAACGTTGGTGAACGTTCCAGCCCTGCCATCCGACCA  
CTACATCGGCCACAAAACAAAGGACCTCCAAGCCATCTGTGGCCTCTCCTGTGACGAACTATCCAGCATG  
GTCCTGGAAGTGAAGGGCCTGCGTACCATCGTGACCACGCTACAGGACAGCATTGCAAAGTGACGGAAG  
AGAACAGAGAGCTGGCTAGCGAGCTGAGGCGGCCTCCCCTCTGCTTCCACAATGGAGTCCAATACAGGAA  
CAACGAGGAGTGGACTGTAGATAGTTGCACAGAGTGTCACTGCCAGAAGTCAAGTACCATCTGCAAAAAG  
GTGCTCTGCTCCCATCATGCCCTGCTCCAATGCCACAGTTCCTGATGGTGAATGCTGCCACGGTGTGCG  
CCAGTGACTCTGCTGACGATGGCTGGTCTCCCTGGTCTGAGTGGACCTCTTGCTCTGCCACCTGTGGCAA  
TGGGATTCAGCAACGTGGTCGCTCCTGTGACAGCCTCAACAACAGATGTGAGGGCTCTTCAGTACAGACG  
AGGACCTGCCACATTGAGGAGTGCACAAAAGATTTAAACAGGATGGTGGTTGGAGTCACTGGTCCCCTG  
GGTCGTCCTGTTCTGTGACCTGTGGTGAAGGTTGATCAGGAGGATCCGACTCTGCAACTCCCCAGCCC  
CCAGATGAACGGGAAGCCCTGTGAAGGTGAAGCTCGGGAGACAAAGCCTGCAAGAGGACGCGCTGCCCA  
ATCAATGGAGGCTGGAGTCCCTGGTCACTATGGGACATCTGCTCTGTACCTGTGGAGGAGGAGTACAGA



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GACGTAGCCGACTCTGCAACAACCCACACCCAGTTTGGAGGCAAGACTGTGTTGGTGTGTGACGGA  
 AAATCAAGTTTGAACAAGCAGGACTGTCCGATTGATGGATGCCTGTCCAATCCCTGCTTTGCTGGTGCC  
 AAGTGTACGAGCTATCCTGATGGTAGCTGGAAATGTGGTGCCTGTCTCTGGCTACAGTGGAAATGGTA  
 TCCAGTGCAAAGACGTCGACGAGTGCAAAGAAGTGCTGATGCTTGTCAATCACAAACGGGAACATCG  
 GTGCAAGAACACAGATCCTGGCTACAACCTGCCTGCCCTGCCACACGATTACCCGGCTCACAGCCCTC  
 GGCAGAGGTGTGCAACACGCTATGGCCAACAAACAGGTGTGCAAAACCCGAAACCCCTGCACCGACGGGA  
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 GTGCAAGCCTGGCTATGCAGGCAATGGCATCATTTGCGGAGAGGACACAGACCTTGACGGCTGGCCTAAT  
 GAAAACCTGGTGTGTGTGGCCAACGCAACCTACCACTGCAAAAAGGACAACCTGCCCAATCTTCCAATT  
 CGGGGCAGGAAGACTATGACAAGGATGGGATTGGCGATGCCTGTGATGACGATGATGACAACGACAAGAT  
 TCCTGATGACAGGGACAACCTGTCCATTCCATTACAACCCTGCCAGTATGACTATGACAGAGATGATGTG  
 GGAGACCCTGTGACAATTGCCCTACAACCACAACCCTGACCAGGCAGACACAGACAACAATGGGGAGG  
 GAGATGCCTGCGCTGTGGACATCGATGGGGATGGAATCCTCAATGAACGAGACAACCTGCCAGTATGTTTA  
 CAACGTGGATCAGAGGGACACGGACATGGATGGGGTTGGAGACCAGTGTGACAACCTGCCCTGGAACAC  
 AATCCAGACCAGCTGGACTCTGACTCGGACCGCATAGGGGACACCTGTGACAACAATCAGGCCATCGATG  
 AGGATGGCCATCAGAACAACCTTGAAAACCTGTCCCTATGTGCCCAATGCCAACAGGCGCCACCACGATAA  
 AGATGGTAAAGGAGACGCTGTGACCATGACGATGACAACGACGGCATCCCTGATGACAGAGACAACCTGC  
 AGGCTGGTGCCCAATCCTGACGAGAAGGACTCTGATGGTGTGATGGCCGAGGCGATGCCTGCAAAGCAGACT  
 TTGACCATGACAATGTGCCAGACATTGATGACATCTGTCTGAGAATGTTGACATCAGTGAACCCGATTT  
 CCGCCGATTCCAGATGATTCCTCTAGATCCCAAAGGAACCTCCCAAAATGACCCTAACTGGGTTGTCCCG  
 CATCAGGGCAAAGAACTGTCCAGACTGTAACCTGTGACCCTGGACTTGTGTAGTTATGATGAGTTTA  
 ATGCCGTGGACTTCAGTGGTACCTTCTTCATCAACACTGAGAGGGATGACGACTATGCTGGCTTTGTTTT  
 CGGGTACCAGTCCAGCAGCCGCTTCTACGTTGTGATGTGAAACAAGTCAACCCAGTCCCTACTGGGACACC  
 AACCCCAAGGGCTCAGGGATACTCAGGCCTGTCTGTAAGGTTGTAACCTCCACCACTGGCCCGGCG  
 AGCACCTGCGGAATGCACTGTGGCACACAGGAAACACCCCTGGCCAGGTGCGCACCTGTGGCATGACCC  
 TCGTCACATTGGCTGAAAGATTTCACTGCATACAGATGGCGTCTCAGCCACAGGCCAAAGACCGGTTTG  
 ATCAGAGTGGTGTATGAAGGAAAGAAAATCATGGCTGACTCAGGACCCATCTATGACAAAACCTACG  
 CTGGCGGTAGACTAGGCCTGTTCTTCTCTCAAGAAATGGTGTCTTCTCGGACATGAAATACGAGTG  
 CCGAGACTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001013062
- Insert Size:** 3513 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).
- 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\\_001013062.1](#), [NP\\_001013080.1](#)

**RefSeq Size:** 3734 bp

**RefSeq ORF:** 3513 bp

**Locus ID:** 445442

**Cytogenetics:** 3q35