

Product datasheet for **RN217365**

Thbs4 (NM_017133) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thbs4 (NM_017133) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thbs4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217365 representing NM_017133
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTAGCCCCACGCGCGCCGCTTCTCTACTGCACCTGGTCTGCAGCCGTGGCAGCGGGCGGGCG
 CCCAGGCCACACCCAGGTCTTTGACCTTCTGCCATCCTCCAGCCAGAGGCTGAACCCGGCCGCTGCA
 GCCAGTCTGACAGACCCACCCTGCACGAGCTCTATGTCATCTCCACCTTCAAGCTGCAGAGTAAGAGC
 TCAGCCACCATCTTTGGCCTCTACTCCTCGAGTGACAACAGAAATACTTTGAATCACTGTGATGGGAC
 GCCTGAACAAAGCCATCTCCGTTACCTAAAGGATGATGGGAAGATTCATCTGGTGGTTTTCAACAACCT
 GCAGCTGGCGGATGGGAGGCGCCACCGGATTCTCCTGAGACTCAGCAATTTGCAGAGAGGGGCGGCTCC
 GTAGAACTCTACTGGACTGTGTCCAGGTTGATTCAGTGAACAACCTCCCAGAGCCTTCTCTGGTCTCA
 CCCAGAACCACAGGCCATTGAATTGAGAACATCCAGAGGAAGCCCCAGGACTTCTTGAAGAGCTGAA
 GCTGGTGGTGGGGCTCTCTGTCCAGGTGGCCAGCCTACAAGACTGTTTCTGCAGCAGAGTGAGCCG
 CTGGCTGCCACAGGCACAGGAGACTTTAATCGACAGTTTTTGGGTCAAATGACACAATTAACCAGCTCC
 TTGGAGAGGTGAAAGATCTTCTGAGGCAGCAGGTCAAGGAAACATCATTTTTGCGAAACACTATTGCTGA
 GTGCCAGGCTTGTGGCCCTCTCAGCTTCCAGTCCCAACCCAAACACGCTGGTGCCCATAGCTCCTCCA
 GCACCCCAACCCGACCAACACGTGCGTGTGACTCCAGCCTTGTTCGAGGTGTCGATGCACGGACA
 CCAGGGACGGCTTCCAATGTGGACCTGCCAGATGGCTACACGGGAACGGGATCACCTGTTCTGACGT
 GGATGAGTGTAAATACCATCCCTGCTACCCTGGTGTGCGCTGCACAAATTTGGCTCCGGGTTTCAGATGT
 GATGCCGTCCAGTAGGCTTACGGGGCCCATGGTGCAGGGCGTGGGGATCAACTTTGCCAAAACAACA
 AGCAGGTGTGACTGATGTTGACGAGTGTGGAACGGAGCGTGTGTTCTGAACTCCATCTGCATTAACAC
 TCTGGCTCTTACCGCTGTGGCCCTTGAAGCCAGGGTACACTGGTGACCAGACGAGGGGATGCAGGACC
 GAAAGGAGCTGCCGAACCCAGAGCAGAACCCTGCGAGTGTGCATGCGCAGTGCATTGAGGAACGCAAG
 GGGATGTGACGTGTGTGCGGTGTTGGTTGGGCCGGCGACGGCTATGTCTGTGGAAGGATGTGGACAT
 CGACAGTTACCCCGATGAAGAACTGCCGTGCTCAGCCAGGAACTGCAAGAAGGATAACTGCAAGTATGTG
 CCAAATCCGGCCAAGAAGACGCAGACAGAGATGGCATTGGAGACGCTGTGATGAGGATGCGGATGGAG
 ACGGGATCTTGAATGAGCAGGACAACCTGTGCTGACTCACAATGTGGACCAGAGGAACACTGATAAAGA
 TATCTTTGGGGATGCCTGTGACAACTGCCGGGGCTCCTGAATAATGACCAGAAGGACACTGACGGGGAT
 GGGAAAGGAGACGCTGTGATGACGACATGGATGGAGACGGAATAAAAAACATTTTGACAACCTGTCCCC
 GAGTTCCCAACCCGACCAACAGGATCGGGATGGCGATGGTGTGCGGAGACGCTGTGACAGCTGTCTGTA
 TGTCAAGTAAACCCTAACAGTCCGATGTGGATAACGATCTGGTTGGGGACTCCTGTGACACCAACCAGAC
 AGTGATGGGGATGGCCACCAGGACAGCAGACAACCTGCCACCCTCATTAAACAGCGCCAGCTGGACA
 CCGACAAGGACGGGATTGGCGATGAATGCGATGACGATGACGATAATGACGGCATCCCAGACCTGGTTCC
 CCCTGGCCAGACAACCTGACGGCTTGTCCCAACCCAGCCAGGAAGATAGCAACAATGATGGAGTAGGA
 GATATCTGTGAAGCTGACTTCGACCAGGACAAGGTCATTGATCGCATTGATGTGTCTGAGAATGCGG
 AGATCACCTGACTGACTTCAGGGCCTATCAGACTGTGGTCTGGACCTGAAGGGGATGCCAGATCGA
 CCCCAACTGGGTGGTCTGAACCCAGGGCATGGAGATTGTGCAGACCATGAACAGTGACCTGGCCTAGCA
 GTCGGGTACACGGCATTAAATGGAGTTGACTTTGAAGGGACCTTCCACGTAACACCCAGACAGATGACG
 ACTATGCCGCTTTATTTTTGGTTACCAAGACAGTTCAGCTTCTATGTGGTCATGTGGAACAGACAGA
 GCAGACATACTGGCAGGCTACGCCATTCCGTGCGTAGCAGAACCTGGTATTTCAGCTCAAGGCCGTGAAG
 TCTAAAACCTGGCCAGGGGAACATCTCCGAAACTCCCTGTGGCACACAGGGGACACCAGCGACAGGTCA
 GGCTGCTGTGGAAGGACTCCAGGAATGTGGCTGGAAGGACAAGGTGTCTACCCTGGTCTCTGCAGCA
 TAGGCCCCAGGTGGCTACATCAGGGTGCAGTTTTATGAAGGCTCAGAGTTGGTGGCTGACTCCGGGGTC
 ACTATAGACACCACCATGCGCGGAGGCCACTGGGCGTGTCTGCTTCTCTCAGGAAAACATCATCTGGT
 CCAACCTCAAGTACCGCTGTAACGACACCATAACAGAGGACTTCCAGGAGTTCAGATCCAGACCTTTGA
 CCGCCTGGATAAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017133
Insert Size:	2886 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.
RefSeq:	<u>NM_017133.1</u> , <u>NP_058829.1</u>
RefSeq Size:	3221 bp
RefSeq ORF:	2886 bp
Locus ID:	29220
Cytogenetics:	2q12
Gene Summary:	extracellular matrix protein; involved in neuronal development [RGD, Feb 2006]