

Product datasheet for **RN210852**

Thnsl2 (NM_001009658) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Thnsl2 (NM_001009658) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Thnsl2
Synonyms:	RGD1309144; Tsh2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210852 representing NM_001009658
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGTACACTAGCACCCGGGAATGGCCCCACGGGTCAACTTTGAGGGGGCTCTTCTCTGGTTATG
 CACCAGATGGGGCCTCTATATGCCAGAGGAGCTCCCAAGGCTGGACAAAGAGACCCTGCGTCACTGGAG
 CACGCTGTCTATCGCAGCCTGGTGAAGGAGTTGTGTGCCCTTTCGTTGGCCTGGAGCTTATTCCAAGA
 CATGACTTAAATGGTCTGATTGACCAAGCCTTCAGCAGATTCCGCCATAGAGATGTAGTTCATCTGTGCA
 AGCTGAAGAATGGGCTGAACATATTGGAGTTGTGGCATGGGGTACACATATGCCTTTAAGGACCTGTCCCT
 GTCCTGCACAGCACAGTTCCTGCAATACTTCTAGAGAAGAAGAAGAAGCATGTCACCATTGTTGTGGGA
 ACCTCTGGGGACACGGGAGTGTGCCATTGAGAGTGTCAAGGATCCAAGAATGTGGACATTATTGTTT
 TGTTGCCCAAAGGACATTGCTCAAAGATTCAGGAGCTCCAGATGACAACCTGGTAAAGGAAAATGTTCA
 TGTGTTTGGAGTGAAGGAAACAGTGATGAGCTTGTGAACCCATCAAGGCTGTGTTTGTGATGTGGCC
 TTTGTCCAGAGGCACAACCTGATGAGCTTGAACCTCATCACTGGTCCCGGGTCCCTGGTGCAGATGGCAC
 ACCACTTCTTCGCTTATTTCCAGTGCACGCCGTCTTGGACATGCACCTCCTGCCACGGTGGAGGTGGT
 AGTGCCGACGGGGCTGGGGTAACTTGCAGCTGGATGCATTGCTCAGAAGATGGGCTGCCAATCAGT
 CTGGTGGTGGCAGTGAACCGCAATGACATCATTACAGGACTGTTCAGAAGGGAGACTTCTCTGTGTG
 AGGTTGTCCGAAAAACCTGGCATCTGCTATGGACATTCAGGTACCCTACAACATGGAAAGGATCTTCTG
 GCTGCTTGCTGGCTCTGACAGCCAGACAACAAGGGCCCTCATGGAACAGTTTGAAGAACCCAAAGTCTA
 CACCTCCCAAGGACCTACATAGCAAGCTTTAGAGGCAGTGACATCTGAGTCCGTATCTGATGAGGCCA
 TCACCCAGACCATGGGCCGCTGTTGGGAAGAGAACCAGTACCTACTGTGCCCTCACTCAGCCACAGCAGT
 GAGCTACCATTACCAGCAGACTGACAGTGGGCAGCCAGTAGCATCCCCGGTGTGCTGGCCCCCTGCC
 TCAGCAGTCAAATTTCCAGAAGCAGTCCAGGCGGCTGGGCTGACTCCTGAGACCCCGCAGAGATCTTGG
 CCCTGGAGCACAAGGAGACAGCTGTACCCCAATGCGGAGAGGAGATGACTGGACACAGATGCTGCGGGA
 CACGATTGAGGCCCTGTCCCTGCGCTGGAAAGGCTGTGTAGAGAACCAGCAGAA**TAG**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001009658

Insert Size: 1458 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_001009658.1](#), [NP_001009658.1](#)
RefSeq Size: 1779 bp
RefSeq ORF: 1458 bp
Locus ID: 297332
UniProt ID: [Q5M7T9](#)
Cytogenetics: 4q31
Gene Summary: Acts as a catabolic phospho-lyase on both gamma- and beta-phosphorylated substrates. Degrades O-phospho-threonine (PThr) to alpha-ketobutyrate, ammonia and phosphate (By similarity).[UniProtKB/Swiss-Prot Function]