

## Product datasheet for **RR214045**

### Tspyl1 (NM\_001013033) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tspyl1 (NM\_001013033) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tspyl1  
**Synonyms:** A18; Tspyl  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR214045 representing NM\_001013033  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGAGCGTCCGGGAGCCGGACGAGGGGACCCCTGTGCCGACCACCGCGGCTCTGCGATGCTGACACTA  
 TCCCGGGACCCAGGCTGGCGTCCGCTGCTCGGCAGAAAGCGGTGACAGGTGAGGGCAGCGCGGGGAT  
 CGTGGGGAGCCAGCGCCCGGGGTGTCGCGGGCCTTGGCCCCAGGTGCGGGTGGCCGAGCTAGGCAA  
 GGAGAGACTCCGCTGTGTGCGAGGGCCCCGCGGCGCGGCGTTCGTGGCACCGAAAGATGCGGAGAAGG  
 CCCTAGAAACTCGGGAGCGGAGGCCCGGGCCACGACGTGAAGATTGAACGGGCCACCGTCGCGGTGGC  
 AGCGCGAGAGCAGTCAGAAGTGGCGATGCAAGGGAGTGAGGAGGTGATGGAGGTGGAGCAGAAGCCCGCG  
 GGTGAAGAAATGGAGATGCCGGAGGCTAGTGGAGGAGCCAGGGAGGCGCAGGAGGAGGCAGGGCCTTGGC  
 ACCTGGGCATCGATCTTCGCACGAACCCGCTGGAGGCCATCCAGCTGGAAGTGGACACCGTGAATGCTCA  
 GGCCGACAGGGCCTTCCAACATCTGGAGCAGAAGTTGGGCGGATGCGGCGACACTATCTGGAGCGAAGG  
 AACTACATCATTGAGATATCCCAGGCTTCTGGATGACCGCCTCCGCAACCACCCTCAGTTGTCCGCCA  
 TGATTAGGGTCCAGGATGCAGAGATGTTAAGGTACATAACCAATCTGGAGGTGAAGGAAGTGAAGCATCC  
 TAAGACTGGCTGCAAATCAAGTTCTTTTTCCGAAGAAACCCCTACTTCAGAAACAAGCTGATTGTCAA  
 GAATATGAAGTGAGATCATCCGGCCGAGTGGTGTCTCTTCCACTCCAATCATATGGCGGAGTGGGCATG  
 AGCCCCAGTCCTTCAATTCGCAGAAACCGAGACCTCATCTGCAGCTTCTTACCTGTTCTCAGACCACAG  
 CGTTCAGAAATCTGACAGGATCGCCGAGATTATCAAAGAGGACCTGTGGCCAAACCCACTGCAATACTAC  
 CTGTCTCGTGAAGGAATCCGTAGACCCGACGTCGCCCAATAAGGGAACCGTGGAGATTCCCAGGCCTT  
 TTGGCTCCAGTCAGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RR214045 representing NM\_001013033  
Red=Cloning site Green=Tags(s)

MSVREPDEGTPVPDHRGLCDADTIPGTPGWRPLLGEKAVTGEKSAGIVGSPAPRGVAGLGPQVRVAAARQ  
 GETPPVVEGPAAAAFVAPKDAEKALETGAEARAHVDKIERATVAVAAREQSEVAMQGSEEVMEVEQKPA  
 GEEMEMPEASGGAREAEAGPWHLGIDLRTNPLEAIQLELDTVNAQADRAFQHLKQKFGMRMRHYLERR  
 NYI IQNIPGFWMTAFRNHPQLSAMIRGQDAEMLRVITNLEVKELRHPKTGCKFKFFRRNPYFRNKLIVK  
 EYEVRSRGRVSLSTPIIWRSGHEPQSFIRNRDLICSFFTWFSVSDHVPESDRIAEI IKEDLWPNPLQYY  
 LSREGIRPRRRPIREPVEIPRPFQSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001013033

**ORF Size:** 1137 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001013033.1](#), [NP\\_001013051.1](#)

**RefSeq Size:** 2584 bp

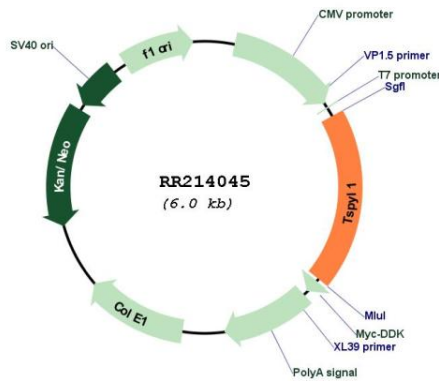
**RefSeq ORF:** 1140 bp

**Locus ID:** 29544

**Cytogenetics:** 20q12

**MW:** 42.7 kDa

**Product images:**



Circular map for RR214045