

Product datasheet for **RR217089**

Tspyl2 (NM_001191618) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tspyl2 (NM_001191618) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tspyl2
Synonyms:	RGD1563283
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR217089 representing NM_001191618
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCGCCGGATGAGGGCCTCCGGCCAAGACCCCGCCTGAGCAGCTCGGAATCCCGTCAGCGG
ACCTGCCGCCCCGCCACCCCACTCCTGCGACTGCCCTGCCTCCACCCAGCAGCGTCCGAGACC
CCAGGAAGAGACCGAGGCTGCACAGGTGCTGGCTGACATGAGGGGGTGGGCCCCACGCTGCCCCACCA
CTGCCCTATGTATTCTCGAGGAGGGGGTATCCGTGCGTATTTCACTCTGGGTGCTGAGAGTCCGGGCT
GGGATCTGCGATTGAGTCAGGGTTTCGGGGAGGTCCCCTCCACAGAGATCATAGAAACACTCCCCTCTT
AGAAGCCTTAGGGGAAGCCTGGAATTTGACTTTCAGGTTGCAGAACACAGCAGCCTTGAGAGAAGGCC
CTAGAAACCTGTAGCTTTGGAGGGTGGGGCCCCAGATGTAGTCGGTCAAAGAGGAAGGAGGAGGCTA
TCATCATAGTGAAGATGAGGATGAGGATGAAAAGGAAAGTATGAGGAGGCTGCAGCAGCGTCGGCGGAG
GAGGAGAAGGAGGAGGAGGAAAGCAGAGGAAGGCGAAGGAGAGCAGAGAGGAGTGCAGAGGATG
GAAAGCATACTGACGGCCCTGGAGAGCATTCAAATGGACCTGGAGCGGTGAACATCAAGGCAGGCAAGG
CCTTTCTGCGTCTCAAACGCAAGTTCATCCAGATGCGAAGACCCTTTTTGGAGCGCAGAGACCTCATCAT
CCAGCATATCCCAGGCTTCTGGGTCAAAGCATTCTCAACCACCCAGAAATTTCAATCTTGATCAACCA
CGCGATGAAGACATCTTCGGTACTTACCACATCTTTCAGTACAGGATCTCAGACATATCTCCATGGGCT
ACAAAAAGAAGCTGACTTCCAGACAAACCCATACTTCACAAACATGGTGTGTCGTCAGGAGTCCAGCG
CAACCGCTCAGGTCGGTGTGCTCATTCTACCCCAATACGTTGGCATCGGGCAGGAACCCCAAGGTC
TACAATCGCAGGACCACGACACCAGAGAAAGCTTCTTCAACTGGTTTTCAACCCAGCCTCCCAGAAG
TGACTACAGAACAAGCAGAAAGAAGCAACTAGGAAAGGAAAGGCAAGCAAGCAATCAATATGAAATGGTGATC
ATGGAAGATGCTCATGACCATTATGCCGTTGAAGACATTCTCAGTGAAATCTCAGAAATTTGATGAGATCA
CTGACAAATGAGACCATTACGACATCAAGATCTGACTTCTGAGAGACCACTGACTACTTTGAGACCAC
TGATAATGAGGTAAGTATGCAATGAGAACCTGTGCGACAGTGAGAATCCTGACCACAGTGAGGGTCTC
CACAAGATCACTGACAACAAGGGAGCATTGCCACCGTCCAGATGACAACGGTGACAAGCCAGAGGAAA
AGAATACCTATGACAGTGAGGATCCAACAGTGAAGAAAGCTGATGGGACAACAACCCCTAGAAGGTGA
CAACCAGCAGGTACTAATATCCAAGATAGCAGTATAGTGACAATGGAGATGAGGGTAGTGATGATGAA
GATGATGATGGCAATGAGGGTGACAATGAGGGCAGTGATGATGATGACAGGGACATTAATACTATAAGA
ATGGCTTCGAAGTCTTTGACAAGGCTCTGGATAACCGCACCATCCAAGATGCTATGAGGAGGAGGTAGA
AATCATCTCTGAAGACTCAGTTGAGGAAGAAGGAGAGACCAGTGAGGAAGCTAGTGACTAAGCGAG
GACAGCTATGAAGACGAACGAGTCTATGAGGAGGAAGGAAAGTGAAGTGAAGTGAAGTCTGATATCC
AGGAAGTGCTGCCAGTCCCAATGCTTGGGCCAGCCTGGGGAAGAAAGGAAAAATCGGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217089 representing NM_001191618
Red=Cloning site Green=Tags(s)

MDRPDEGPPAKTPRLSSSESQRDLPPPPPPPLRLPLPPPQQRPRPQEETAAQVLADMRGVGPTLPPP
 LPYVILEEGGIRAYFTLGAESPGWDPAIESGFGEVPSTEIIETLPSSSEASRGSLEIDFQVAEHSSLGEKA
 LETCSFGGWGPQMLVGPKRKEEAIIVEDEDEDEKESMRRLQRRRRRRRRRRRKRKAKESRERSAORM
 ESILQALESIQMDLEAVNIKAGKAFRLRLKRKFIQMRPFLERRDLIIQHIPGFVWKAFLNHPRISILINQ
 RDEDIFRYLTNLVQDLRHISMGYKMKLYFQTNPYFTNMVIVKEFQRNRSGLVSHSTPIRWHRGQEPQV
 YNRRSHDTRESFFNWFNSHSLPEADRIAEIKNLWVNPVRYMRGGYRTSRKQLGKERAKNQYEMVI
 MEDAHDHYAVEDILSEISEIDEITDNETIHDIKISDFMETTDYFETTDNEVTDANENLCSENPDHSEGS
 HKITDNKGSIAATGDDNGDKPEEKNTYSEDSNSEKADGNKTLKEDNQVQVNIQDSSSDSNGDEGSDDE
 DDDGNEGDNEGSDDDDRDIKYYKNGFEVFDKALDNRTIQDVYEEVEEIISEDSVEEEEEETSEEASELSE
 DSYEDERVYEEEGSEVNSESDSIQEVLPVNPNAWASLGKKGKIG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001191618

ORF Size: 2019 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_001191618.2](#), [NP_001178547.1](#)

RefSeq Size: 2709 bp

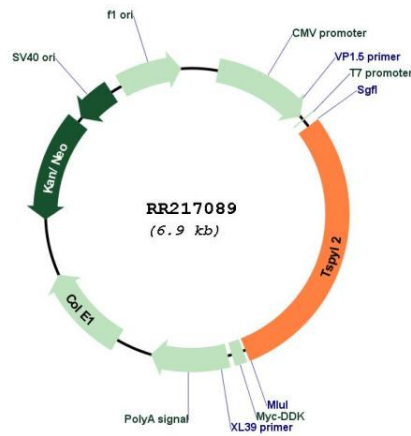
RefSeq ORF: 2022 bp

Locus ID: 302612

Cytogenetics: Xq13

MW: 77.4 kDa

Product images:



Circular map for RR217089