

Product datasheet for **RC206939**

TSPYL5 (NM_033512) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPYL5 (NM_033512) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSPYL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206939 representing NM_033512 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGCCGAAGTCGGGGTCGAAAGTCCTCCCGGCCAAAAACCGGGGCAAAGGCCGCGCCAAAGCCC
GAGTCCGCCCTGCTCCGGACGACGCCCGCGCGACCCGGACCCCTCACAGTACCAGAGTCTCGGGGAAGA
CACCCAGGCGGCACAGGTGCAGGCTGGCGCGGGTGGGGTGGCCCTGGAAGCCGCTGCGTCCGCGCAGCTC
CTCCGGCTCGGGAGGAGGCCGCTGCCGGCTCCCCCTGGACTGTGGCCTCGCGCTGCGGGCCCGAGCTG
CGGGGACACGGGCAGGCCGCGGCCAGGCCCGGCCGGAAGGCCGCATCTCTCGGAGCGCCTGGC
CGCAGACACTGTCTTCGTGGGAACAGCGGAACCGTGGGAAGGCCGAAAAATGCCCCCGCGTTGGAAAC
CGGCGTGGCCCTGCCGGAAGAAGGCCCCAGAAACCTGTAGCACCGCGGGAGGGGCTCAGGTCATAG
CTGGTGGGAGGCAGAAGAAAGGGCGGCAGGGGAGAATACCTCGGTGTCAGCTGGGAGGAAAAGAAGGA
AGAGAGGGATGCAGGTCGGGGCCCCAGCGACGGAAGGCAGCATGGATACGCTGGAGAACGTGCAGCTG
AAGCTGGAGAACATGAACGCCAGGCGGACAGGGCCTACCTTCGGCTCTCCAGGAAGTTTGGCAGTTGC
GACTGCAGCACTTGGAGCGCAGGAACACCTCATCCAAATATCCCGGGCTTCTGGGGCAAGCATTTC
GAACCATCCCGAGCTAGCATCTTTCTGAATAGCCAAGAGAAAGAGGTACTGAGCTACTTAACAGCTTG
GAAGTGAAGAGCTCGGCCTTGCCAGATTGGGCTACAAAATCAAGTTCTACTTCGATCGCAACCCGTATT
TCCAAATAAGGTGCTCATCAAGGAATATGGGTGTGGTCTTCTGCCCAGGTGGTGTCTGTTCTACTCC
AATCCAGTGGCTCCAGGCATGATCTCCAGTCCCTAAGCCAGGAAACCCAGAAAAACCCGTAGTTTC
TTTGGGTGGTTTTCAAACACAGCTCCATTGAGTCTGACAAGGTTGTGGAGATAATCAACGAAGAATTGT
GGCCCAATCCCTTGCAAGTTCTACCTTTTGTGAGGAGGCTCGTGTAGAGAAAGGAAAGGAAAAAGAAG
CAGGAAGGTCCAGGAAGCAGCAATGGAGACTACTCAGCCTGGGGTGAGCCAATCCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC206939 representing NM_033512
 Red=Cloning site Green=Tags(s)

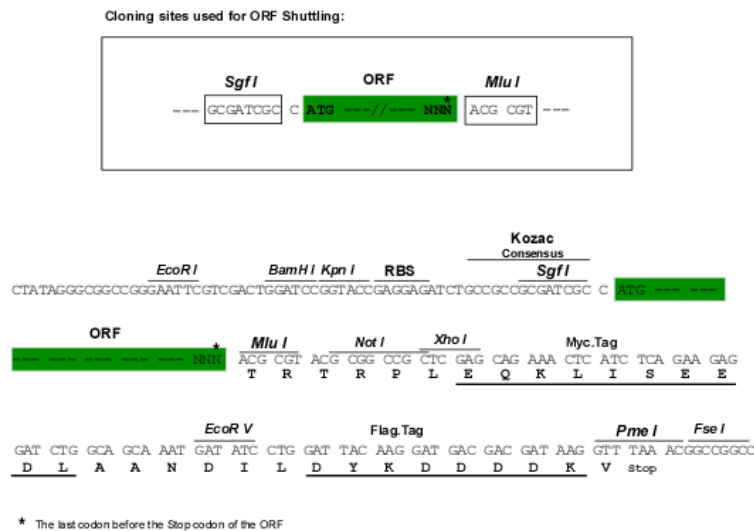
MSGRSRGRKSSRAKNRGKGRAKARVRPAPDDAPRDPDPSQYQSLGEDTQAAQVQAGAGWGGLEAAASAQL
 LRLGEEAACRLPLDCGLALARAAGDHGQAAARPGPKAASLSERLAADTVFVGTAGTVGRPKNAPRVGN
 RRGPAKKAPETCSTAGRGPQVIAGGRQKKGAAGENTSVSAGEEKKERDAGSGPPATEGSMDTLENVQL
 KLENMNAQADRAYLRLSRKFGQLRLQHILERRNHLIQNIPGFWGQAFQNHQQLASFLNSQEKEVLSYLNLS
 EVEELGLARLGKIKFYFDRNPYFQNKVLIKEYGCGPSGQVVSSTPIQWLPGHDLQSLSQGNPENNRSF
 FGWFSNHSSIESDKVVEIINEELWPNLQFYLLSEGARVEKGKEKEGRQGPQPMETTQPGVVSQSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4733_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033512

ORF Size: 1251 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_033512.1

RefSeq Size: 4478 bp

RefSeq ORF: 1254 bp

Locus ID: 85453

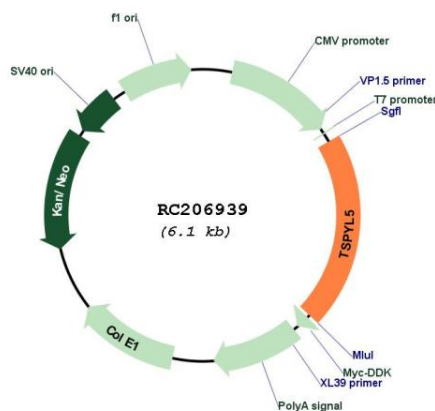
UniProt ID: Q86VY4

Cytogenetics: 8q22.1

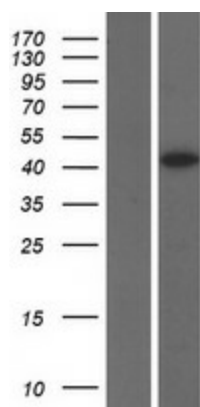
MW: 45 kDa

Gene Summary: Involved in modulation of cell growth and cellular response to gamma radiation probably via regulation of the Akt signaling pathway. Involved in regulation of p53/TP53. Suppresses p53/TP53 protein levels and promotes its ubiquitination; the function is dependent on USP7 and independent on MDM2. Proposed to displace p53/TP53 from interaction with USP7. [UniProtKB/Swiss-Prot Function]

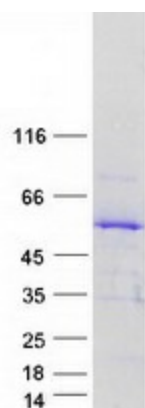
Product images:



Circular map for RC206939



Western blot validation of overexpression lysate (Cat# [LY409500]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206939 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TSPYL5 protein (Cat# [TP306939]). The protein was produced from HEK293T cells transfected with TSPYL5 cDNA clone (Cat# RC206939) using MegaTran 2.0 (Cat# [TT210002]).