

Product datasheet for SC107059

TSPYL5 (NM_033512) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSPYL5 (NM_033512) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSPYL5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107059 sequence for NM_033512 edited (data generated by NextGen Sequencing) <pre> ATGAGCGCCGAAGTCGGGGTCGAAAGTCTCCCGCGCCAAAAACCGGGGCAAAGGCCGC GCCAAAGCCGAGTCCGCCCTGCTCCAGACGACGCCCGCGCGACCCGGACCTTCACAG TACCAGAGTCTCGGGGAAGACACCCAGGCGGCACAGGTGCAGGCTGGCGCGGGGTGGGGT GGCCTGGAAGCCGCTGCGTCCGCGCAGCTCCTCCGGCTCGGGGAGGAGGCCGCTGCCGG CTCCCCCTGGACTGTGGCCTCGCGCTGCGGGCCCGAGCTGCGGGGAGCACGGGCAGGCC GCGGCCAGGCCCGGGCCGGGAAGGCCGATCTCTCTCGAGCGCCTGGCCGACAGACT GTCTTCGTGGGAACAGCGGGAACCGTGGGAAGGCCGAAAAATGCCCGCGCTTGAAAC CGGCGTGGCCCTGCCGGGAAGAAGGCCCCAGAAACCTGTAGCACCGCGGGGAGGGGCCT CAGGTCATAGCTGGTGGGAGGCAGAAGAAAGGGCGGCAGGGGAGAATACCTCGTGTCA GCTGGGGAGGAAAAGAAGGAAGAGAGGGATGCAGGGTCGGGGCCCCAGCGACGGAAGGC AGCATGGATACGCTGGAGAACGTGCAGCTGAAGCTGGAGAACATGAACGCCAGGCGGAC AGGGCCTACCTTCGGCTCTCCAGGAAGTTTGGGCAGTTGCGACTGCAGCACTTGGAGCGC AGGAACCACTCATCCAAAATATCCCGGGCTTCTGGGGGCAAGCATTTCAGAACCATCCC CAGCTAGCATCCTTTCTGAATAGCCAAGAGAAAGAGGTACTGAGCTACTTAAACAGCTTG GAAGTGAAGAGCTCGGCCTTGCCAGATTGGGCTACAAAATCAAGTTCTACTTCGATCGC AACCCGTATTTCCAAAATAAGGTGCTCATCAAGGAATATGGGTGTGGTCTTCTGGCCAG GTGGTGTCTCGTTCTACTCCAATCCAGTGGCTCCAGGGCATGATCTCCAGTCCCTAAGC CAGGGAAACCCAGAAAACAACCGTAGTTTCTTTGGGTGGTTTTCAAACCAGCTCCATT GAGTCTGACAAGATTGTGGAGATAATCAACGAAGAATTGTGGCCCAATCCCTTGAGTTC TACCTTTTGAGTGAAGGGGCTCGTGTAGAGAAAGGAAAGGAAAAAGAAGGCAGGCAAGGT CCAGGAAAGCAGCCAATGGAGACTACTCAGCCTGGGGTGAGCCAATCCAATGA </pre>

Clone variation with respect to NM_033512.2
 87 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033512 unedited
 ACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGGTGACGTCGGCGGTTGCCGTGGA
 GAGACCCGCTCGGTCCCGACCGAGAGCTGGCGTCAGGAGCCGAGGGTCACAGCGTGTCT
 TTGAAGCTGCCTCCGCCGCCACCATGAGCGGCCGAAGTCGGGGTCGAAAGTCTCCCGCG
 CAAAAACCGGGCAAAGGCCGCCAAAGCCGAGTCCGCCCTGCTCCAGACGACGCCC
 CGCGCAGCCCGGACCTTACAGTACCAGAGTCTCGGGGAAGACCCAGGCGGCACAGG
 TGCAGGCTGGCGCGGGTGGGTGGCCTGGAAGCCGCTGCGTCCGCGCAGCTCCTCCGGC
 TCGGGGAGGAGGCGCCTGCCGGCTCCCCCTGGACTGTGGCCTCGCGCTCGGGGCCGAG
 CTGCGGGGACACGCGGAGGCCGCGGCCAGGCCCGGCCGCGGGAAGGCCGCATCTCTCT
 CGGAGCGCTGGCCGAGACACTGTCTTCGTGGGAACAGCGGGAACCGTGGGAAGGCCGA
 AAAATGCCCCCGCGTTGGAAACCGGCTGGCCCTGCCGGAAGAAGGCCCCAGANACCT
 GTAGCACCCGCGGGGAGGGGGGCTCAGGTCANNTAGCTGGTGGGAGGCANAAAGAAGG
 GGGCGCAGGGGAAGATACCTCGGTGTCAGCTGGGAGGAAAAGAAGGAAGAGAGGATG
 CCAGGGTCGGGCCCCCAGCAGGAAGGCAGCATGGATACGCTGGAACAGTGCAGCTGA
 AGCTGGAGAATGAACGCCAGGCGGACAGGGCTACCTTTGGTCTCCAAGAAATTTGG
 GCCATTTTGGACTGGACCACTGGGACGGCAGGACCACCTCATCCAAAATCCCGGGCTTTT
 GGGGGACAGCTTTTAGACCCTCCAGCTAGCATTCTTTGAATGCAAAAAAAGGGTCC
 GGGCCTCTTACGTTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033512 unedited
 ACTATGGAACCGCGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTAAACAGAGATACAGGTTTTATTTTCCATCATGCATGCAAACTTACAAC
 TATTTATACTGTTAAAAACACAGAAATAATTGCGTTATTAACAGGGTGCAAATTACCA
 AGTAGAACAACCAAGTTACTAATTATTTTGGGAGGTTATTTTACAGAACACAGCAACAA
 TTTCCAAATTATTCTTCCAAAACAGAGTTATGAGACCAGTACAAGCTGATAACAATGCT
 AATGGTCACACAAGTTTCCATGTTACACAGAAAAAAGATTGACATTCTGGTGAAGGGTC
 TCAAGTACCTTACCATATCAAAATTTTTGAAAGAGTTTTACAACAGAACAGTCTCTCTCT
 TGTTTTGTAGATGCAAGGGAAGGAAGCATCCCTCTCATTTCTTTTGGAGTCTTGTGTT
 AATTCTTAAACACATTTCTAAGGCCATCTCTGGAACCTCATTAGTTAACATTAAGC
 AAAAGCAGACCTGATGTGATTATGATAGTGCACCCCATCACTATCACCATCAAAAGAGA
 CTACCAATCTCCAAAGTAGTCACGGTTGCATTGGCATAGTGCTTGGATTTTCAATAAA
 CAATACCGGTGAAAAGAGAGAGATACCGATGAAACCAGGTTGACCATAGCTGATAAGTGA
 TGCAGTAGGTGATGGACACATGGGGTCCAAGGACCATCCTCTCACTTCTGTGCATGTC
 TGAAAAATGTCCNTAACACAGAGCAAAANAAAAAATATAACAAAAAACAAAAAGCCGA
 CTTGCACATCTGTATCTTCCATTAGACTAAAATGGGGAAGTCGNTAGACTTTAAGGNC
 AAAATGTGCAGCATATAGCATTCTTCTGCATGTACAAAGCCCCACCTAGGAACAAAAA

Restriction Sites:

NotI-NotI

ACCN:

NM_033512

Insert Size:

4600 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_033512.2](#), [NP_277047.2](#)

RefSeq Size: 4478 bp

RefSeq ORF: 1254 bp

Locus ID: 85453

UniProt ID: [Q86VY4](#)

Cytogenetics: 8q22.1

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]