

Product datasheet for **SC114869**

TSC22D2 (NM_014779) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSC22D2 (NM_014779) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSC22D2
Synonyms:	TILZ4a; TILZ4b; TILZ4c
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014779, the custom clone sequence may differ by one or more nucleotides

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ATGTCCAAGATGCCGGCCAAGAAGAAGAGCTGCTTCCAGATCACCAGTGTACCACGGCCCAGGTGGCCA
CTAGCATACCGAGGACACCGAGAGCTTGGACGACCCGGACGAGTCACGCACAGAGGACGTCTCTCCGA
GATTTTCGACGTCTCTCGGGCCACGGATTATGGCCCTGAGGAGGTCTGCGAGCGCAGCTCTCCGAAGAG
ACGCTTAACAATGTTGGGGATGCGGAGACTCCCGGGACCGTCTCCCAAACCTCCTCCTAGATGGGCAGC
TGGCAGCGGGCGGTGCTGCTCCCGCCAACGGAGGAGGAGTCGTTTCGGCCCGGAGCGTGTCTGGGGCGCT
CGCCAGTACCCTGGCGGGCTGCCACTTCGGCCCCCGCCCCGGAGCACCCGGCGGGCCCCAGCTCGCG
GGCTCATCCGCCGGCCAGTGACTGCAGCCCCATCTCAGCCTCCACCACATGTAGTTCCCGTTTTCGCG
TGATCAAGCTGGACCACGGGAGCGGAGAGCCCTATAGACGCGCCGATGGACGTGTATGGAATACTATGA
GAGGGATTAGACAGCAGCGTCTGACTAGATCCGGGGATTGCATTAGACACAGCAGTACTTTTGACCAG
ACTGCGGAGCGGGACAGCGGCCCTGGGCGCCACCGGAGGGTCGGTGGTGGTAGTAGTGGCCTCCATGCAGG
GGGCGCACGGGCCGAGTCGGGAAGTACAGCTCCTTGACTGCTGTGTACAGCTACCCCGTCGGAGAA
AATGAGCCAGCCACTCCGGCCAGCCGAGAGTTTTAGCGTTGGGCAGCCACAGCCGCCGCCGCCACCC
GTAGGTGGGGCTGTGGCTCAAAGCTCGGCTCCGCTGCCGCGGTTCCCGGGAGCCGCGACCCGGGCCGAGC
CAATGATGGCAGCCGCGCAGCCAGCCAGCCCCAGGGAGCGGGGCCCGGGGGACAGACTCTGCCCGCCAG
GAATGTAACCCTGGCGCAGCCGGCTATGTCCCTGCCTCCGAGCCGGGCCCTGCAGTGGGCGCCCCCGCG
GCGCAGCAGCCCCAGCAGTTTCGGTATCCTCAGCCTCAGATACCGCCCGGACATTTGCTGCCCGTCCAGC
CCTCCGGCCAGAGTGAGTACCTGCAGCAGCAGTGGCCGGCTGCAGCCGCCAAGCCCCGCGCAGCCCTC
GTCCACCGGCCCGCAGCGAGCCCCGCCACGGCGGCCACCCTTCCCGTGGGCACCGGCCAGAATGCTTCC
TCGGTGGGCGCGCAGCTCATGGGCGGCTTCCAGCCAGCGAAGCCATGGCCCCGGACGGGACCAG
CGCAAGGCGGGCAGGTGCGGCCTTGTGAGCCGACTGGAGTGCCCCCGGCTACTGTGGGAGGCGTGGTGCA
GCCGTGCCTCGGTCTGCCGGGGCTGGGACGCCCAGTCCGTGCCTCCGCCGAGATGGGTGGCAGTGGT
CCGCTGTGAGCCGTACCTGGTGGCCCTCAGCCGTGGTGCCTGGAGTTCCAAACGTGCCTGCAGCCGTGC
CCGCTCCAAGCGTGCCTAGTGTGTCTACCCTTCTGTTACTATGCCAAATGTACCCGCGCCTCTGGCCCA
GTCGCAACAGCTGAGCAGCCATACGCCAGTCCAGGAGCAGCAGCATAATCCAGCATGTTGGGCTGCC
TTAGCGCCAGGCACACAGCGCACCAACAAGTCTACCACAGTCTGACCTAAGCCAGTTTCAAACCTCAGA
CCCAGCCTTTAGTCGGGCAAGTCGACGATACTAGAAGAAAATCAGAACCCCTACCTCAACCACCACTTTC
TCTCATTGCTGAAAATAAGCCTGTGTGAAGCCGCTGTTGCAGATTCCTGGCAAACCCCTTCAGTTA
ACACCTATGAACAGTCTGGCCACCTCTGTATTCAGCATAGCTATTCTGTTGATGGTGTGAAGACAGGA
ATCCTTCAACTGCTTTCTACCAAGCGTTCATTTGAACACGTTAAAGGAATCAAAGAGCCTCTGGGATAG
TGCATCTGGGGGAGGTGTTGTAGCCATTGACAACAAAATAGAACAAGCAATGGATCTGGTAAAAGCCAT
TTGATGTATGCAGTAAGAGAAGAAGTGGAAAGTTTTAAAGGAACAAATAAAAGAATTAGTTGAAAAGAACT
CTTTACTTGAACGAGAAAATGCACTGTTAAAATCTTTTCAAGCAATGATCAATTATCCCAACTCCCAAC
CCAACAGGCCAATCCTGGTAGCACTTCTCAACAGCAAGCAGTGATAGCACAGCCTCCGACGCCAACGCCAA
CCTCCACAGCAGCCGAATGTCTCCTCAGCATAA
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_014779 unedited
 NGTCAACATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACCAGGCCGAGCGCC
 GAGCTGGACTGACCACGGCTGCCCGGAGACGAGAGAGGAAGCAGCCGGCCCGCCCTGGG
 TTCGCGCTCTCGCCGCTCTGAGGGAATTGAATTGAGGCGCCGCGGCTGCGAGAGCTAAA
 AAGGAAGGAGGAGCCCGCGGGACTGAGACGGGGCAGAGCCGAAGAGACCGACACAGA
 GAAGGAAACGAGGAGGAGATGTCTCACCGGGCGCCAGCGCTGGATCAGCCCGTGACT
 CTTAACAGCGGGCGGCTCAGACCCAGCGCAGACTCGGACTTTGTCTTTGGGGCCCGT
 GCTCTGCCCTCCCGGTTTCCGACAGGACCCAGAGGAGCCGGCGTGCCTCTCTGCCCTCC
 AGCCTTCTTACCATGTCCAAGATGCCGCAAGAAGAAGAGCTGCTTCCAGATACCAG
 TGTACCACGGCCAGGTGGCCACTAGCATCACCGAGGACACCGAGAGCTTGGACGACCC
 GGACGAGTCACGCACAGAGGACGTCTCTCCGAGATTTTCGACGTCTCTCGGGCCACGGA
 TTATGGCCCTGAGGAGGTCTGCGAGCGCAGCTTCCGAAGAGACGCTTAAACAATGTTGG
 GGATGCGGAGACTCCCGGACCGTCTNCCCAAACCTCCTCTANATGGGACGCTGGCAGC
 GCGCGCTGCTGCTCCCGAACGGAGATGAGTCGTTTCGGCCCGGAGCGTGTCTGGAGCGC
 TCGCCAGTACCCTGGCNNGCNGCTGCCACTTNCNGCCCNCGCCCGGNAGCACCCGGC
 GGNCCCCAGACTCGCGGNCTCATTTCGNCGGGCCAGTGACTGCAGCCCCATCTCAGCCTN
 CCACACATGTAGNTCCCGTTTTNCGCGTGATCAGCTGGACACGGNNAGCGANACCCTTAA
 GAGC

3' Read Nucleotide Sequence: >OriGene 3' read for NM_014779 unedited
 NANGATCGAGTTTTTTTTTTTTTTTTTAAACAAAACACTGCAGTTAATTTTCAGAAAAATG
 TAAAAATATATATTTATACATCAATTTCTGACATACACTTAATGTGTTAGTATACACAAA
 ATGATGCTTTCTTTTGAAGTGTATTTATGAAATGTACATTTTAAATTAATACTCAGTA
 TACACTGCACTTAATCTGCATGTTGCATTTATTAATACATTAATACTGCAATGTAACA
 AAACGTTTTCTGCATACGAAATTCAAAACACCATTTTAAATGAACAAAAGATGGCTCACT
 TTTTTTTTTTTTTTACAACACTAGTGTATTGTACACTAGCTCAGCTCCACCAAACACTACCT
 GTTCGTTCTTTTTATTTGACATTGTTCCACAGACTAGTACATATTACAATAAGAGTGCTG
 GATAAAAACATGAGGTACGAAAGTGGTTCAAAGATTATAGGTCATGCAGATCATGCTAGA
 CAGTAAAGAAAAATTGTGACTGAGAAAACACTAAATAAAAAATACATAAAGAATGTGCATTA
 TAAAAAAAAAAAAAGACCAAAAAAAAAAACCCAAAAAAAAAACCAACTCCATTACACA
 GCTTTGCTTCTTTGGTTACAAAGTAGGTTGAACAATTTACAGCTTTTTATTCCCCCCC
 AAAAAAAAAAGTCATACGAAATGTTGAAAAGCAGAGGAATCGTGGCATTCTCTTAGAAAAG
 TNGAAACAAATGAACAAAGTTTTCTTCATCAAAATAGCCATTTATTTATCATATCACAA
 TAACTGGTGACTACCTGTTCAAGTTTGCATGTTTCTTACTACTTTTACTACTATACAAAA
 TTTTACTTTCAAGCTGGGG

Restriction Sites: NotI-NotI

ACCN: NM_014779

Insert Size: 4700 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_014779.2](#), [NP_055594.1](#)

RefSeq Size: 3901 bp

RefSeq ORF: 2343 bp

Locus ID: 9819

UniProt ID: [O75157](#)

Cytogenetics: 3q25.1

Domains: TSC22

Protein Families: Transcription Factors