

Product datasheet for **RC239491**

TSC22D2 (NM_001303264) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSC22D2 (NM_001303264) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSC22D2
Synonyms:	TILZ4a; TILZ4b; TILZ4c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC239491 representing NM_001303264
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCAAGATGCCGGCCAAGAAGAAGAGCTGCTTCCAGATCACCAGTGTACCACGGCCCAAGTGGCCA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239491 representing NM_001303264
 Red=Cloning site Green=Tags(s)

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MSKMPAKKKSCFQITSVTTAQVATSITEDTESLDDPDESRTEDVSSEIFDVSRATDYGPVEECERSSEE
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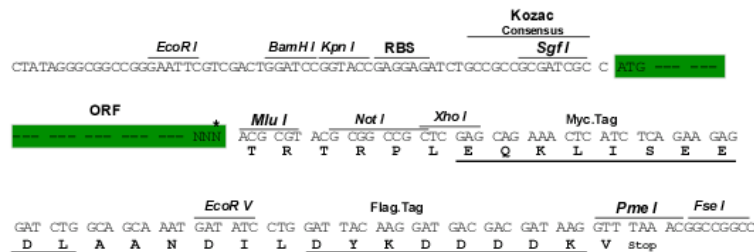
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001303264

ORF Size: 2268 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_001303264.2

RefSeq Size: 4785 bp

RefSeq ORF: 2271 bp

Locus ID: 9819

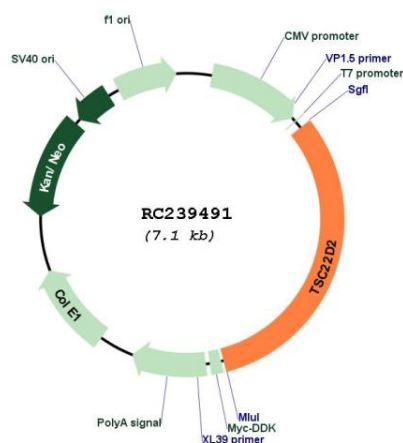
UniProt ID: O75157

Cytogenetics: 3q25.1

Protein Families: Transcription Factors

MW: 76.8 kDa

Product images:



Circular map for RC239491