OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG200322

TSC22 domain family, member 4 (TSC22D4) (NM_030935) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSC22 domain family, member 4 (TSC22D4) (NM_030935) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSC22 domain family, member 4
Synonyms:	THG-1; THG1; TILZ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG200322 representing NM_030935
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGGGGGCAAGAAGAAGAGTAGTTTCCAAATCACCAGCGTCACCACGGACTATGAGGGCCCTGGGA
GCCCAGGGGCTTCGGATCCCCCTACCCCACAGCCCCCAACCGGGCCCCCGCCCCGCCTGCCCAATGGGGA
GCCCAGCCCCGATCCGGGGGGCAAGGGCACCCCCCGGAATGGCTCCCCACCACCTGGGGCCCCTTCCTCC
CGTTTCCGGGTGGTGAAGCTGCCCCACGGCCTGGGAGAGCCTTATCGCCGCGGTCGCTGGACGTGTGTGG
ATGTTTATGAGCGAGACCTGGAGCCCCACAGCTTCGGCGGACTCCTGGAGGGAATTCGAGGGGCCTCAGG
GGGCGCCGGGGGCAGATCTTTGGATTCCAGGTTGGAGCTGGCCAGCCTCGGCCTGGGCGCCCCCACCCCA
CCGTCAGGCCTGTCTCAGGGCCCCACCTCCTGGCTCCGTCCACCCCCCACCTCTCCTGGACCTCAGGCCC
GCTCCTTCACTGGGGGACTGGGCCAGCTGGTGGTGCCCAGCAAAGCCAAGGCAGAGAAACCCCCACTGTC
GGCCTCCTCACCCCAGCAGCGCCCCCCAGAGCCTGAGACCGGTGAGAGTGCGGGCACATCCCGGGCTGCC
ACGCCCCTGCCCTCTCTGAGGGTGGAAGCGGAGGCTGGGGGCTCAGGGGCCAGGACCCCTCCACTGTCCC
GGAGGAAAGCTGTAGACATGCGGCTGCGGATGGAGTTGGGTGCTCCAGAAGAGATGGGGCAGGTGCCCCC
ACTTGACTCTCGCCCCAGCTCCCCGGCCCTCTACTTCACCCACGATGCCAGCCTGGTTCACAAATCTCCA
GACCCCTTCGGAGCAGTAGCAGCTCAGAAGTTCAGCCTGGCCCACTCCATGTTGGCCATCAGTGGTCACC
TAGACAGCGACGATGATAGTGGCTCCGGAAGCCTGGTTGGCATTGACAACAAAATCGAGCAAGCCATGGA
CTTGGTGAAGTCCCACCTCATGTTTGCGGTCCGGGAGGAGGTGGAGGTGCTGAAGGAGCAGATCCGGGAA
CTGGCGGAGCGGAACGCTGCGCTGGAGCAGGAGAATGGGCTGCTGCGCGCCCTGGCCAGCCCGGAGCAGC
TGGCTCAGCTGCCCTCCTCGGGGGTCCCACGGCTTGGGCCCCCTGCGCCCAATGGGCCCTCCGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

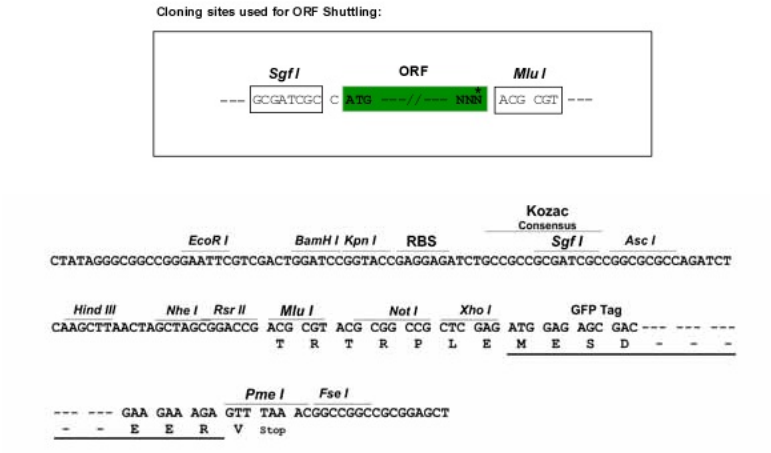
>RG200322 representing NM_030935
Red=Cloning site Green=Tags(s)

MSGGKKKSSFQITSVTTDYEGPGSPGASDPPTPQPPTGPPPRLPNGEPSPDPGGKGTPRNGSPPPGAPSS
RFRVVKLPHGLGEPYRRGRWTCVDVYERDLEPHSFGGLLEGIRGASGGAGGRSLDSRLELASLGLGAPTP
PSGLSQGPTSWLRPPPTSPGPQARSFTGGLGQLVVPSKAKAEKPPLSASSPQQRPPEPETGESAGTSRAA
TPLPSLRVEAEAGGSGARTPPLSRRKAVDMRLRMELGAPEEMGQVPPLDSRPSSPALYFTHDASLVHKSP
DPFGAVAAQKFSLAHSMLAISGHLDSDDDSGSGSLVGIDNKIEQAMDLVKSHLMFAVREEVEVLKEQIRE
LAERNAALEQENGLLRALASPEQLAQLPSSGVPRLGPPAPNGPSV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_030935

ORF Size: 1185 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_030935.3, NP_112197.1

RefSeq Size: 2399 bp

RefSeq ORF: 1188 bp

Locus ID: 81628

UniProt ID: Q9Y3Q8

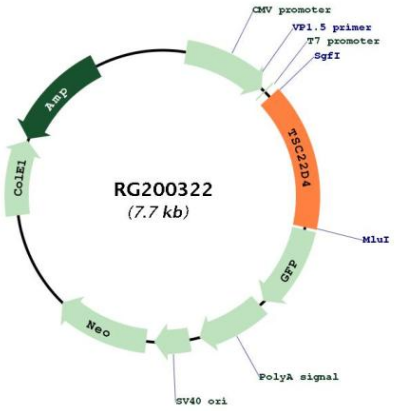
Cytogenetics: 7q22.1

Domains: TSC22

Protein Families: Transcription Factors

Gene Summary: TSC22D4 is a member of the TSC22 domain family of leucine zipper transcriptional regulators (see TSC22D3; MIM 300506) (Kester et al., 1999 [PubMed 10488076]; Fiorenza et al., 2001 [PubMed 11707329]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG200322