

Product datasheet for **RG235530**

TSC22D1 (NM_001243797) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSC22D1 (NM_001243797) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TSC22D1
Synonyms: Ptg-2; TGFB114; TSC22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235530 representing NM_001243797.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCTAGTAAAAGCCATTTGATGTATGCGGTCAGAGAAGAAGTGGAGGTCCTCAAAGACAAATC
AAAGAATAATAGAGAAAAATCCAGCTGGAGCAGGAGAACAATCTGCTGAAGACACTGGCCAGTCCT
GAGCAGCTTGCCAGTTTCAGGCCAGCTGCAGACTGGCTCCCCCCTGCCACCACCCAGCCACAGGGC
ACCACACAGCCCCCGCCAGCCAGCATCGCAGGGCTCAGGACCAACCGCA
ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235530
Blue=ORF Red=Cloning site Green=Tag(s)

```
MDLVKSHLMYAVREEVEVLKEQIKELIEKNSQLEQENLLKTLASPEQLAQFQAQLQTGSPPATTQPQG
TTQPPAQPASQSGSPTA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001243797

ORF Size: 258 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).

RefSeq: [NM_001243797.1](#), [NP_001230726.1](#)

RefSeq Size: 2872 bp

RefSeq ORF: 261 bp

Locus ID: 8848

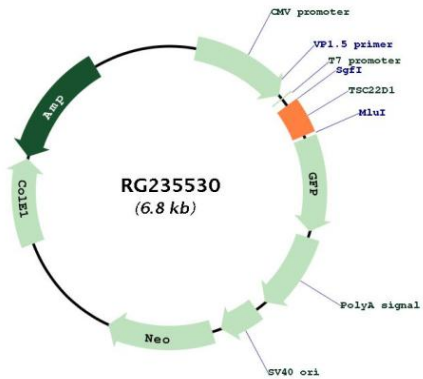
Cytogenetics: 13q14.11

Protein Families: Transcription Factors

MW: 9.8 kDa

Gene Summary:

This gene encodes a member of the TSC22 domain family of leucine zipper transcription factors. The encoded protein is stimulated by transforming growth factor beta, and regulates the transcription of multiple genes including C-type natriuretic peptide. The encoded protein may play a critical role in tumor suppression through the induction of cancer cell apoptosis, and a single nucleotide polymorphism in the promoter of this gene has been associated with diabetic nephropathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]

Product images:


Circular map for RG235530