

## Product datasheet for **SC333425**

### TSC22D1 (NM\_001243798) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSC22D1 (NM\_001243798) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TSC22D1  
**Synonyms:** Ptg-2; TGFB114; TSC22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >SC333425 representing NM\_001243798.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

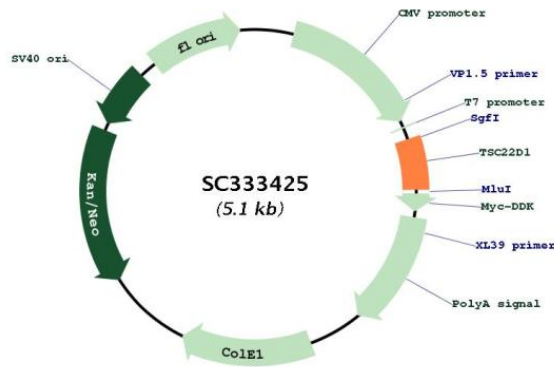
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATCTAGTAAAAGCCATTTGATGTATGCGGTCAGAGAAGAAGTGGAGGTCCTCAAAGACAAATC
AAAGAACTAATAGAGAAAAATCCAGCTGGAGCAGGAGAACAATCTGCTGAAGACACTGGCCAGTCCT
GAGCAGCTTGCCAGTTTCAGGCCAGCTGCAGACTGGCTCCCCCCTGCCACCACCCAGCCACAGGGC
ACCACACAGCCCCCGCCAGCCAGCATCGCAGGGCTCAGGACCAACCGCATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001243798

**Insert Size:** 261 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\\_001243798.1](#)

**RefSeq Size:** 2877 bp

**RefSeq ORF:** 261 bp

**Locus ID:** 8848

**Cytogenetics:** 13q14.11

**Protein Families:** Transcription Factors

**MW:** 9.4 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]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a large portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. Variants 3 and 4 encode the same isoform (3), which has a significantly shorter N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.