

Product datasheet for **SC332045**

TSC22D1 (NM_001243799) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSC22D1 (NM_001243799) Human Untagged Clone
Tag: Tag Free
Symbol: TSC22D1
Synonyms: Ptg-2; TGFB114; TSC22
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332045 representing NM_001243799.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCACCAGCCGCTGAGTCCACCCGCGCGCCGCGCCGCTGCAGACATTAGCGCTAGGAAGATGGCG
CACCCGGCAATGTTCCCTCGAAGGGGCAGCGGTAGTGGCAGCGCCTCTGCTCTCAATGCAGCAGGTACC
GGCGTCGGTAGTAATGCCACATCTCCGAGGATTTCCGCCTCCGTGCTGCTTCCAGCCGCCCCCT
GCAGCATCTTCTACGTCGGGACCACAGCCTCCGCCTCCACAAAGCCTGAACCTCCTTTCGAGGCTCAG
CTGCAGGCACAGCCTCTGCGCCAGGCGGAACCTCAAATGAAAAAGAAAAGTGGCTCCAGATAACTAGC
GTTACTCTGCTCAGATCTCCGCTAGTATCAGCTCTAACACAGTATAGCAGAGGACACTGAGAGCTAT
GATGATCTGGATGAATCTCACACGGAAGATCTCTTCTTCGGAGATCCTTGATGTGCTACTTCCAGG
GCTACTGACTTAGGGGAGCCCGAACGCAGCTCCTCAGAAGAGACCCTAAATAACTCCAGGAAGCCGAG
ACACCTGGGGCAGTCTCTCCAACCAGCCACCTTCTCAGCCTCATTTGCCTCACCTCCACAACAG
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CACCTCCAACATGGTCACCACCATCCATCTCATGTTGCTGTGGCCAGTGCATCCATTACTGGTGGCCA
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GGTGAATAGGTATAAATCTGTTACTGGCACTAGTACAGTAAATAATGTTAACATTACTGCTGTGGGT
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TCGGTTTCAAGTCAGCAGCAACAACCAACAGTTAACACTTCGAGGTTCCAGAGTTGTGAAGTTAGATTCT
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GCTACAGAAGGTGTGCTGATAAATAAGTGGTGGAGACTGTAAGCAAAATCCGATAGAAGTACTTCT
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GTGGGAAGTGGAGAGATGGGAGCCCTACTGTGGTGGTGCAGCAGCAGCAGCAACAACAACAACA
CAGCAACAACCAGCTCTCAAGGTGTGACCCTCCAACAGATGGATTTTGGTAGCACTGGTCCACAGAGT
ATTCCAGCAGTTAGTATACCACAGAGTATTTCTCAGTCACAGATCTCACAAAGTACAATTACAGTCTCAA
GAAGTGAAGTATCTTACCATGAAGGTTGTTTTGCTATTGTATATTTGTGTATGTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001243799



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| | |
|-------------------------------|---|
| Insert Size: | 1713 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: | <ol style="list-style-type: none">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: | <u>NM_001243799.1</u> |
| RefSeq Size: | 4026 bp |
| RefSeq ORF: | 1713 bp |
| Locus ID: | 8848 |
| UniProt ID: | <u>Q15714</u> |
| Cytogenetics: | 13q14.11 |
| Protein Families: | Transcription Factors |
| MW: | 58.9 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (5) uses an alternate splice site and lacks an exon in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-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.</p> |