

## Product datasheet for **RG223210**

### TSC22D1 (NM\_006022) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TSC22D1 (NM\_006022) 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:** >RG223210 representing NM\_006022  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAATCCCAATGGTGTAGACCAGTGGCGATGGATCTAGGAGTTTACCAACTGAGACATTTTTCAATTT  
CTTTCTTGTCATCCTTGCTGGGGACTGAAAACGCTTCTGTGAGACTTGATAATAGCTCCTCTGGTCAAG  
TGTGGTAGCTATTGACAACAAAATCGAGCAAGCTATGGATCTAGTAAAAGCCATTTGATGTATGCGGTC  
AGAGAAGAAGTGGAGTCTCAAAGAGCAAATCAAAGAATAATAGAGAAAAATCCAGCTGGAGCAGG  
AGAACAACTCTGTAAGACACTGGCCAGTCTGAGCAGCTTGCCAGTTTCAGGCCAGCTGCAGACTGG  
CTCCCCCCTGCCACCACCCAGCCACAGGGCACACAGCCCCCGCCAGCCAGCATCGCAGGGCTCA  
GGACCAACCGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG223210 representing NM\_006022  
Red=Cloning site Green=Tags(s)

MKSQWCRPVAMD LGVYQLRHFSISFLSLLGTENASVRLDNSSSGASVVAIDNKIEQAMD LVKSHLMYAV  
REEVEVLKEQIKELIEKNSQLEQENLLKTLASPEQLAQFQAQLQTGSPATTQPQGTTPPAQPASQGS  
GPTA

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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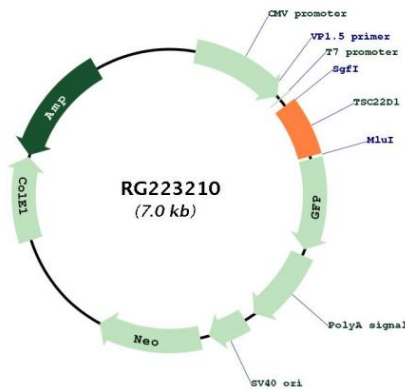
**Cytogenetics:** 13q14.11

**Domains:** TSC22

**Protein Families:** Transcription Factors

**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 RG223210