

Product datasheet for **RG214184**

TSC22D3 (NM_198057) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSC22D3 (NM_198057) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TSC22D3
Synonyms: DIP; DSIPI; GILZ; TSC-22R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214184 representing NM_198057
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGTCCAAGCTCGATTGCCCTCACCTGTGGCCTCGACTGCTGCAACTGCTGCCTGGACCTGG
 CCCATCGGAGTGGGCTCCAGCGAGGCAGCAGCGGGGAGAAACAACAACCCGGGCAGCCCTACAGTGAAGCA
 CTTTCGGCAGCTGCAGGAAAAGCTGGTCTTTGAGAACCTCAATACCGACAAGCTCAACAGCATAATGCGG
 CAGGATTCGCTAGAGCCGGTGTGCGGGACCCCTGCTACCTGATCAACGAGGGCATCTGCAACCGCAACA
 TCGACCAGACCATGCTCTCCATCCTGCTCTTCTCCACAGTGCCCTCCGGAGCCAGCGTGGTGGCCATAGA
 CAACAAGATCGAACAGGCCATGGATCTGGTGAAGAATCATCTGATGTATGCTGTGAGAGAGGAGGTGGAG
 ATCCTGAAGGAGCAGATCCGAGAGCTGGTGGAGAAGAAGTCCCAGCTAGAGCGTGAGAACCCTGTTGA
 AGACCCTGGCAAGCCAGAGCAGCTGGAGAAGTTCCAGTCTGTCTGAGCCCTGAAGAGCCAGCTCCCGA
 ATCCCCACAAGTGCCCGAGGCCCTGGTGGTCTGCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214184 representing NM_198057
 Red=Cloning site Green=Tags(s)

MAQSKLDCRSPVGLDCCNCLDLAHRSLQRGSSGENNPGSPTVSNFRQLQEKLVFENLNTDKLNSIMR
 QDSLEPVLRDPCYLINEGICNRNIDQTMLSILLFFHSASGASVVAIDNKIEQAMDLVKNHLMYAVREEVE
 ILKEQIRELVEKNSQLERENTLLKTLASPEQLEKFSCLSPPEEPAPESPQVPEAPGGSAV

TRTRPLE - GFP Tag - V

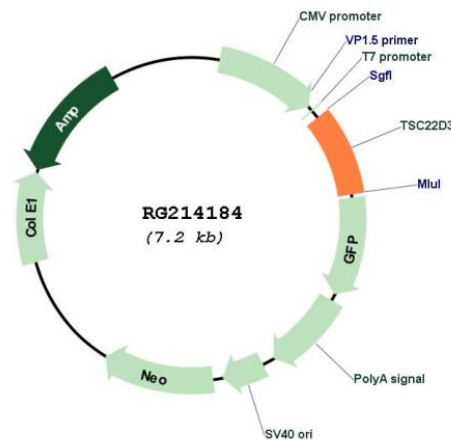
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_198057

ORF Size: 600 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_198057.3](#)

RefSeq Size: 2312 bp

RefSeq ORF: 603 bp

Locus ID: 1831

UniProt ID: [Q99576](#)

Cytogenetics: Xq22.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes the anti-inflammatory protein glucocorticoid (GC)-induced leucine zipper. Expression of this gene stimulated by glucocorticoids and interleukin 10 and it appears to play a key role in the anti-inflammatory and immunosuppressive effects of this steroid. This protein has also been shown to inhibit pro-inflammatory molecules including nuclear factor κ B. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]