

Product datasheet for **RG210088**

TSC22D3 (NM_004089) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSC22D3 (NM_004089) 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: >RG210088 representing NM_004089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACACCGAAATGTATCAGACCCCCATGGAGGTGGCGGTCTACCAGCTGCACAATTTCTCCATCTCT
 TCTTCTTCTCTGCTTGGAGGGGATGTGGTTCCGTTAAGCTGGACAACAGTGCCTCCGGAGCCAGCGT
 GGTGGCCATAGACAACAAGATCGAACAGGCCATGGATCTGGTGAAGAATCATCTGATGTATGCTGTGAGA
 GAGGAGGTGGAGATCCTGAAGGAGCAGATCCGAGAGCTGGTGGAGAAGAAGTCCCAGCTAGAGCGTGAGA
 ACACCCTGTTGAAGACCCTGGCAAGCCCAGAGCAGCTGGAGAAGTCCAGTCTGTCTGAGCCCTGAAGA
 GCCAGCTCCCGAATCCCCACAAGTGCCCGAGGCCCTGGTGGTTCTGCGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210088 representing NM_004089
 Red=Cloning site Green=Tags(s)
 MNTEMYQTPMEVAVYQLHNFISISFFSSLLGGDVVSVKLDNSASGASVVAIDNKIEQAMDLVKNHLMYAVR
 EEVEILKEQIRELVEKNSQLERENTLLKTLASPEQLEKQSCLSPEEPAPESPQVPEAPGGSAAV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_004089

ORF Size: 402 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.

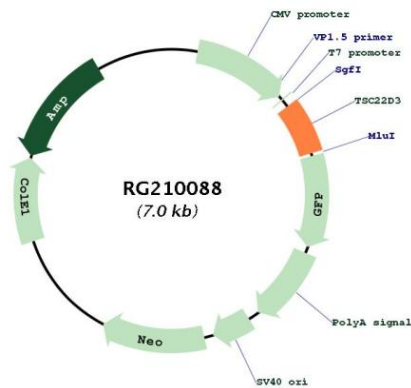
RefSeq: [NM_004089.4](#)

RefSeq Size: 1986 bp

RefSeq ORF: 405 bp

Locus ID: 1831
UniProt ID: [Q99576](#)
Cytogenetics: Xq22.3
Domains: TSC22
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 κB. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:



Circular map for RG210088