

Product datasheet for RC210088

TSC22D3 (NM_004089) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TSC22D3 (NM_004089) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TSC22D3
Synonyms: DIP; DSIPI; GILZ; TSC-22R
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210088 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGAACACCGAAATGTATCAGACCCCCATGGAGGTGGCGGTCTACCAGCTGCACAATTTCTCCATCTCTCT
 TCTTCTCTTCTGCTTGGAGGGGATGTGGTTTCCGTTAAGCTGGACAACAGTGCCTCCGGAGCCAGCGT
 GGTGGCCATAGACAACAAGATCGAACAGGCCATGGATCTGGTGAAGAATCATCTGATGTATGCTGTGAGA
 GAGGAGGTGGAGATCCTGAAGGAGCAGATCCGAGAGCTGGTGGAGAAGAAGTCCCAGCTAGAGCGTGAGA
 ACACCCTGTTGAAGACCCTGGCAAGCCCAGAGCAGCTGGAGAAGTCCAGTCTGTCTGAGCCCTGAAGA
 GCCAGCTCCCGAATCCCCACAAGTGCCGAGGCCCTGGTGGTTCTGCGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210088 protein sequence
 Red=Cloning site Green=Tags(s)
 MNTEMYQTPMEVAVYQLHNFISIFFSSLLGGDVVSVKLDNSASGASVVAIDNKIEQAMDLVKNHLMYAVR
 EEVEILKEQIRELVEKNSQLERENTLLKTLASPEQLEKFQSCLSPEEPAPESPQVPEAPGGSAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6366_a06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

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

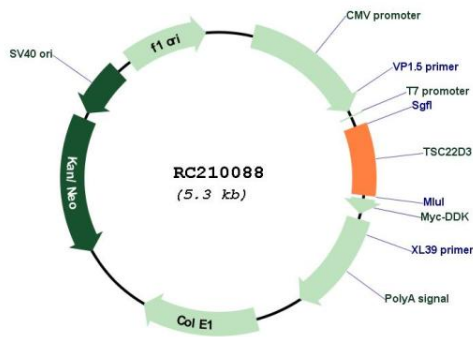
UniProt ID: [Q99576](#)

Cytogenetics: Xq22.3
Domains: TSC22
Protein Families: Transcription Factors

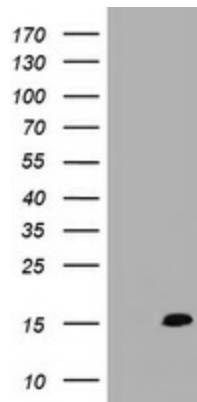
MW: 14.8 kDa

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]

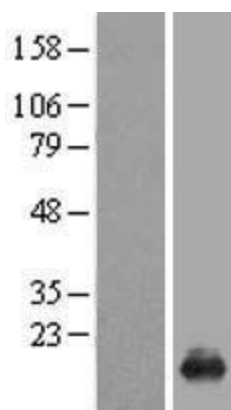
Product images:



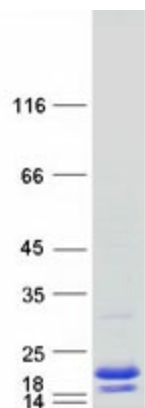
Circular map for RC210088



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TSC22D3 (Cat# RC210088, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TSC22D3(Cat# [TA505293]). Positive lysates [LY418232] (100ug) and [LC418232] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY418232]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210088 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TSC22D3 protein (Cat# [TP310088]). The protein was produced from HEK293T cells transfected with TSC22D3 cDNA clone (Cat# RC210088) using MegaTran 2.0 (Cat# [TT210002]).