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# **Recombinant human TSC22D3 protein**

Catalog Number: ATGP1760

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

1-134aa

#### **UniProt No.**

099576

#### **NCBI Accession No.**

NP 004080

#### **Alternative Names**

TSC22 domain family protein 3, DIP, DSIPI, GILZ, hDIP, TSC-22R

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

17.2 kDa (157aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

TSC22 domain family protein 3, also known as TSC22D3, protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity that leads to the down-regulation of the pro-apoptotic factor BCL2L11. In macrophages, TSC22D3 plays a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, TSC22D3 inhibits anti-CD3-induced NFKB1 nuclear translocation. In vitro, suppresses AP1 and NFKB1 DNA-binding activities. Recombinant human TSC22D3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

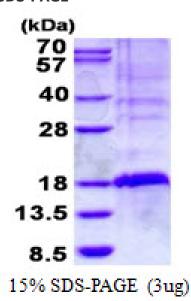
MGSSHHHHHH SSGLVPRGSH MGSMNTEMYQ TPMEVAVYQL HNFSISFFSS LLGGDVVSVK LDNSASGASV VAIDNKIEQA MDLVKNHLMY AVREEVEILK EQIRELVEKN SQLERENTLL KTLASPEQLE KFQSCLSPEE PAPESPQVPE APGGSAV

#### **General References**

Asselin-Labat M.-L., et al. (2004) Blood. 104:215-223 Berrebi D., et al. (2003) Blood. 101:729-738

# **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

