

## TSC22D3 Human

**Description:** TSC22D3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids (1-134 a.a) and having a molecular mass of 17.2kDa. TSC22D3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-1261

For research use only.

**Synonyms:** TSC22 domain family protein 3, DSIP-immunoreactive peptide, Protein DIP, hDIP, Delta sleep-inducing peptide immunoreactor, Glucocorticoid-induced leucine zipper protein, GILZ, TSC-22-like protein, TSC-22-related protein, TSC-22R, TSC22D3, DSIPI, DIP.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMNTEMYQ TPMEVAVYQL  
HNFSISFFSS LLGGDVVSVK LDNSASGASV VAIDNKIEQA MDLVKNHLMY AVREEVEILK  
EQIRELVEKN SQLERENTLL KTLASPEQLE KFSCLSPPEE PAPESPQVPE APGGS AV.

**Purity:** Greater than 85.0% as determined by SDS-PAGE.

**Formulation:**

TSC22D3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

TSC22 domain family protein 3 (TSC22D3) protects T-cells from IL2 deprivation-induced apoptosis through the inhibition of FOXO3A transcriptional activity which initiates the down-regulation of the pro-apoptotic factor BCL2L1. In macrophages, TSC22D3 has a role in the anti-inflammatory and immunosuppressive effects of glucocorticoids and IL10. In T-cells, TSC22D3 hinders anti-CD3-induced NFkB1 nuclear translocation. In vitro, TSC22D3 curbs AP1 and NFkB1 DNA-binding activities.

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