
Product Data Sheet

Product Name: TSC22D3 Human
 Cat. No.: GP24903
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNTEMYQ TPMEVAVYQL HNFSISFFSS LLGGDVVSVK LDNSASGASV VAIDNKIEQA MDLVKNHLMY AVREEVEILK EQIRELVEKN SQLERENTLL KTLASPEQLE KFQSCLSPEE PAPESPQVPE APGGS AV.		
Formulation	TSC22D3 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

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 BCL2L11. 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.

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.

Background

TSC22D3 Human Recombinant produced in E.Coli is a single, non-glycosylated

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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