
Product Data Sheet

Product Name: THAP1 Human
 Cat. No.: GP24818
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	THAP domain-containing protein 1; THAP1; DYT6.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMVQSCS AYGCKNRYDK DKPVSFHKFP LTRPSLCKEW EAAVRRKNFK PTKYSSICSE HFTPDCFKRE CNNKLLKENA VPTIFLCTEP HDKKEDLLEP QEQLPPPPLP PPVSQVDAAI GLLMPPLQTP VNLSVFCDHN YTVEDTMHQR KRIHQLEQQV EKLRKKLKTA QQRCCRQERQ LEKLKEVVHF QKEKDDVSER GYVILPNDYF EIVEVPA.		
Formulation	THAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 10% glycerol, 1mM DTT and 0.2M NaCl.		

Introduction

THAP domain-containing protein 1 (THAP1) is a 213 amino acid protein which is restricted to the nucleoplasm and contains one THAPtype zinc finger, a conserved DNA-binding domain. THAP1 is a DNA-binding transcription regulator which regulates endothelial cell proliferation and G1/S cell-cycle progression. In addition, THAP1 has a pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis. THAP1 protein colocalizes with the apoptosis response protein PAWR/PAR-4 in promyelocytic leukemia (PML) nuclear bodies, and serves as a proapoptotic factor which connects PAWR to PML nuclear bodies.

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

THAP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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

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chain containing 237 amino acids (1-213 a.a) and having a molecular mass of 27.5kDa. THAP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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