

## 32-5070: Recombinant Human THAP Domain Containing, Apoptosis Associated Protein 1

**Alternative Name :** THAP domain-containing protein 1,THAP1,DYT6.

### Description

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

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	THAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2M Urea, 10% glycerol, 1mM DTT and 0.2M NaCl.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSSLVPRGSH MGSMMVQSCS AYGCKNRYDK DKPVSFHKFP LTRPSLCKEW EAAVRRKNFK PTKYSSICSE HFTPDCKRE CNNKLLKENA VPTIFLCTEP HDKKEDLLEP QEQLPPPPLP PPVSQVDAAI GLLMPPLQTP VNLSVFC DHN YTVEDTMHQR KRIHQLEQQV EKLKRLKTA QRCRRQERQ LEKLKEVVHF QKEKDDVSR GYVILPNDYF EIVEVPA.