

# Recombinant Human THAP Domain Containing, Apoptosis Associated Protein 1, His-tagged

**Cat. No.** THAP1-5594H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant humanTHAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | THAPdomain-containing protein 1, also known as THAP1, is a 213 amino acid proteinthat localizes to the nucleoplasm and contains one THAPtype zinc finger, aconserved DNA-binding domain. It is a DNA-binding transcription regulatorthat regulates endothelial cell proliferation and G1/S cell-cycleprogression. THAP1 may also have pro-apoptotic activity by potentiating bothserum-withdrawal and TNF-induced apoptosis. |
| <b>Form</b>             | Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 2M Urea, 10% glycerol, 1mM DTT, 0.2M NaCl.                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Weight</b> | 27.5 kDa(237aa)                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>           | > 85%by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Concentration</b>    | 1 mg/ml(determined by Bradford assay)                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequences of</b>     | MGSSHHHHHHSSGLVPRGSH MGSHMVQSCS AYGCKNRYDK DKPVSFHKFP                                                                                                                                                                                                                                                                                                                                                                        |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

**aminoacids**

LTRPSLCKEW EAAVRRKNFKPTKYSSICSE HFTPDCFKRE CNNKLLKENA  
 VPTIFLCTEP HDKKEDLLEP QEQLPPPPLP PPVSQVDAAGLLMPPLQTP  
 VNLSVFCDHN YTVEDTMHQR KRIHQLEQQV EKLRKKLKTA QQRCRRQERQ  
 LEKLKEVVHFQKEKDDVSER GYVILPNDYF EIVEVPA

**Storage**

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION

**Gene Name** THAP1 THAP domain containing,apoptosis associated protein 1 [ Homo sapiens ]

**Official Symbol** THAP1

**Synonyms** THAP1; THAP domain containing, apoptosisassociated protein 1; DYT6; FLJ10477; MGC33014; THAP domain-containingprotein 1; 4833431A01Rik; THAP domain protein 1; nuclear proapoptotic factor;dystonia 6, torsion (autosomal dominant); OTTHUMP00000229191;OTTHUMP00000229192; OTTHUMP00000229193

**Gene ID** 55145

**mRNA Refseq** NM\_018105

**Protein Refseq** NP\_060575

**MIM** 609520

**UniProt ID** Q9NVV9

**Chromosome Location** 8p11.21

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**Function**

metal ion binding; sequence-specific DNA binding; zinc ion binding

Rendering based on  
PDB 2JTG.



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