

# Recombinant human THAP1 protein

Catalog Number: ATGP1517

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-213aa

### UniProt No.

Q9NVV9

### NCBI Accession No.

NP\_060575

### Alternative Names

THAP domain-containing protein 1, DYT6

## PRODUCT SPECIFICATION

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### Molecular Weight

27.5 kDa (237aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 10% glycerol, 1mM DTT, 0.2M NaCl

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

THAP domain-containing protein 1, also known as THAP1, is a 213 amino acid protein that localizes to the nucleoplasm and contains one THAP-type zinc finger, a conserved DNA-binding domain. It is a DNA-binding transcription regulator that regulates endothelial cell proliferation and G1/S cell-cycle progression. THAP1 may also have pro-apoptotic activity by potentiating both serum-withdrawal and TNF-induced apoptosis. Recombinant human THAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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### Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMVQSCS AYGCKNRYDK DKPVSFHKFP LTRPSLCKEW EAAVRRKNFK PTKYSSICSE  
HFTPDCFKRE CNNKLLKENA VPTIFLCTEP HDKKEDLLEP QEQLPPPPLP PPVSQVDAAI GLLMPPLQTP VNLSVFCDHN  
YTVEDTMHQR KRIHQLEQV EKLKRLKTA QQRCCRQERQ LEKLKEVHF QKEKDDVSR GYVILPNDYF EIVEVPA

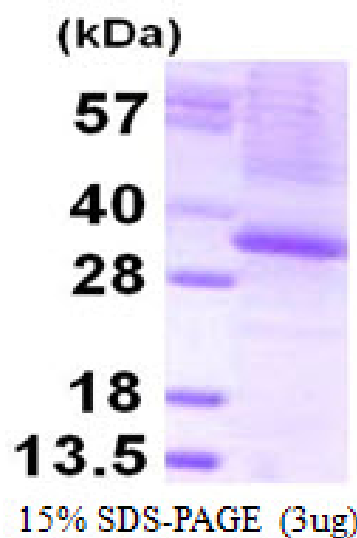
### General References

Roussigne M., et al. (2003) Oncogene 22:2432-2442.

Clouaire T., et al. (2005) Proc Natl Acad Sci. 102:6907-6912.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.