

# Recombinant human SPOP protein

Catalog Number: ATGP1009

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-374aa

### UniProt No.

O43791

### NCBI Accession No.

NP\_001007231

### Alternative Names

Speckle-type POZ protein, TEF2

## PRODUCT SPECIFICATION

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### Molecular Weight

44.3 kDa (394aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 50% glycerol, 0.2M NaCl, 2mM EDTA

### Purity

> 90% 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

SPOP (speckle-type POZ protein), also known as TEF2, is a member of the Tdpoz family containing one N-terminal MATH (Mepirin and TRAF homology) domain and one C-terminal BTB/POZ domain. This protein inhibits IPF1/PDX1 transactivation of established target promoters, such as insulin, may be by recruiting a repressor complex. Through an interaction with CuL-3, SPOP is involved in ubiquitinylation and protein degradation. Recombinant human SPOP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

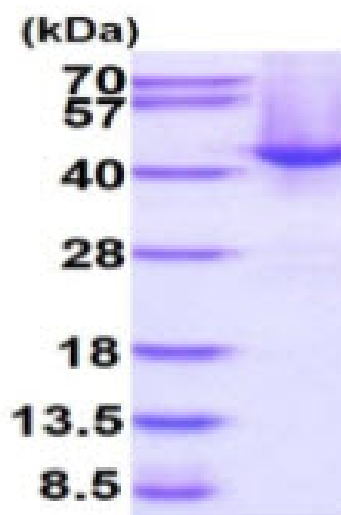
MGSSHHHHHH SSGLVPRGSH MSRVPSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTINN FSFCREEMGE VIKSSTFSSG  
ANDKCLKWCLR VNPKGLDEES KDYLSLYLLL VSCPKEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD  
FLLDEANGLL PDDKLTLCFE VSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRT DCCLCVAGQE FQAHKAILAA  
RSPVFSAMFE HEMEESKKNR VEINDVEPEV FKEMMCFIYT GKAPNLDKMA DDLLAAADKY ALERLKMCE DALCSNLSVE  
NAAEILILAD LHSADQLKTQ AVDFINYHAS DVLETSGWKS MVSHPHLVA EAYRSLASQ CPFLGPPRKR LKQS

## General References

Kwon J.E., et al. (2006) J. Biol. Chem. 281:12664-12672  
Furukawa M., et al. (2003) Nat. Cell Biol. 5:1001-1007

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)