## PRODUCT INFORMATION

## Expression system

E.coli

## Domain

1-374aa
UniProt No.
043791
NCBI Accession No.
NP_001007231
Alternative Names
Speckle-type POZ protein, TEF2

## PRODUCT SPECIFICATION

## Molecular Weight

44.3 kDa (394aa) confirmed by MALDI-TOF

## Concentration

$0.25 \mathrm{mg} / \mathrm{ml}$ (determined by Bradford assay)

## Formulation

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

## Purity

> 90\% by SDS-PAGE

## Tag

His-Tag

## Application

SDS-PAGE

## Storage Condition

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

## BACKGROUND

## Description

SPOP (speckle-type POZ protein), also known as TEF2, is a member of the Tdpoz family containing one Nterminal MATH (Meprin 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.

## Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MSRVPSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTINN FSFCREEMGE VIKSSTFSSG ANDKLKWCLR VNPKGLDEES KDYLSLYLLL VSCPKSEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD FLLDEANGLL PDDKLTLFCE VSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRFT DCCLCVAGQE FQAHKAILAA RSPVFSAMFE HEMEESKKNR VEINDVEPEV FKEMMCFIYT GKAPNLDKMA DDLLAAADKY ALERLKVMCE DALCSNLSVE NAAEILILAD LHSADQLKTQ AVDFINYHAS DVLETSGWKS MVVSHPHLVA EAYRSLASAQ 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)

