

Recombinant human SPOP protein

Catalog Number: ATGP1009

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-374aa

UniProt No.

O43791

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

0.25mg/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

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.

Recombinant human SPOP protein

Catalog Number: ATGP1009

Amino acid Sequence

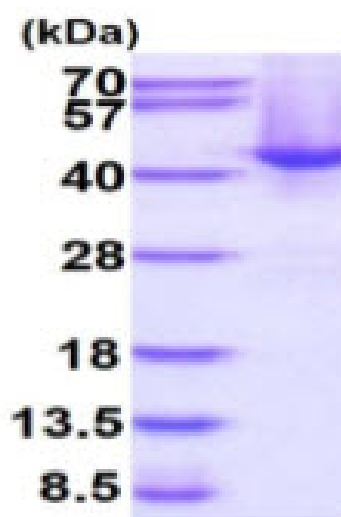
MGSSHHHHHH SSGLVPRGSH MSRVSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTINN FSFCREEMGE VIKSSTFSSG
ANDKLKWCLR VNP KGLDEES KDYLSLYLLL VSCPKSEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD
FLLDEANGLL PDDKLTLFCE VSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRT DCCLCVAGQE FQAHKAILAA
RSPVFSAMFE HEMEESKKNR VEINDVEPEV FKEMMCFIYT GKAPNLDKMA DDLLAAADKY ALERLKVMCE DALCSNLSVE
NAAEILILAD LHSADQLKTQ AVDFINYHAS DVLETSGWKS MVSHPHLVA EAYRSLASQA CPFLGPPRRK 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)