

**SPOP, 1-374aa, Human, His tag, E.coli**

**Cat.NO.: TP04021**

3th Edition

**Synonyms:**Speckle-type POZ protein, TEF2

**Description:**SPOP (speckle-type POZ protein), also known as TEF2, is a member of the Tdpoz family containing one N-terminal 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.

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

**Molecular Weight:**44.3kDa (394aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMSRVSPPPPAEMSSGPVAESWCYTQIKVVKFSYMWTINNFSFCREEMGEVIKS  
STFSSGANDKLKWCLRVPKGLDEESKDYLSTLYLLLVSCKPKSEVRAKFKFSILNAKGEETKAMESQRAYRFVQGKD  
WGFKKFIRDFLLDEANGLLPDDKLTLCFVSVVQDSVNISGQNTMNMVKVPECRLADELGGLWENSRTDCCLC  
VAGQEFQAHKAILAARSPVFSAMFEHEMEESSKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMADDLLAAADKYA  
LERLKMVEDALCSNLSVENAAEILILADLHSDQLKTQAVDFINYHASDVLETSGWKSMVVSHPHLVAEAYRSLAS  
AQCPLGPPRKRLKQS

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.