

Recombinant Human SPOP, His-tagged

Cat. No. SPOP-3506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SPOP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
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
Purity	> 90% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSRVSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTTINN FSFCREEMGE VIKSSTFSSG ANDKLKWCLR VNPKGLDEES

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KDYLSLYLLL VSCPKSEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD
 WGFKKFIRRD FLLDEANGLL PDDKLTLCFCE VSVVQDSVNI SGQNTMNMVK
 VPECRLADEL GGLWENSRT DCCLCVAGQE FQAHKAILAA RSPVFSAMFE
 HEMEESKKNR VEINDVEPEV FKEMMCFIYT GKAPNLDKMA DDLLAAADKY
 ALERLKMCE DALCSNLSVE NAAEILILAD LHSADQLKTQ AVDFINYHAS
 DVLETSGWKS MVVSHPHLVA EAYRSLASQA CPFLGPPRKR LKQS

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.

GENE INFORMATION
Gene Name

SPOP speckle-type POZ protein [Homo sapiens]

Synonyms

SPOP; TEF2; speckle-type POZ protein; Roadkill homolog 1; HIB homolog 1;
 OTTHUMP00000220430; OTTHUMP00000220431; OTTHUMP00000220321;
 OTTHUMP00000220322; OTTHUMP00000220351; OTTHUMP00000220425;
 OTTHUMP00000220426

Gene ID

8405

mRNA Refseq

NM_001007226

Protein Refseq

NP_001007227

MIM

602650

UniProt ID

O43791

**Chromosome
Location**

17q21.33

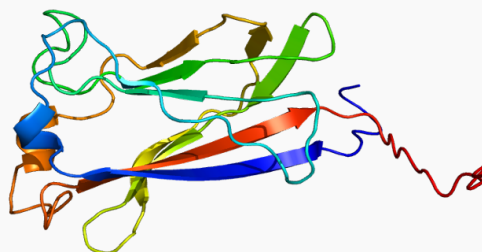
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Function

Protein binding



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