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 MSRVPSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTINN FSFCREEMGE VIKSSTFSSG ANDKLKWCLR VNPKGLDEES

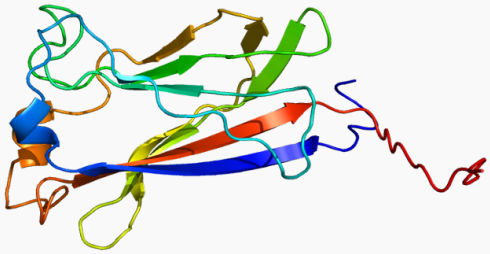
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	KDYLSLYLLL VSCPKSEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD FLLDEANGLL PDDKLTLFCE VSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRFT DCCLCVAGQE FQAHKAILAA RSPVFSAMFE HEMEESKKNR VEINDVEPEV FKEMMCFIYT GKAPNLDKMA DDLLAAADKY ALERLKVMCE DALCSNLSVE NAAEILILAD LHSADQLKTQ AVDFINYHAS DVLETSGWKS MVVSHPHLVA EAYRSLASAQ CPFLGPPRKR LKQS
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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