

Recombinant Human Speckle-type POZ Protein, T7-tagged

Cat. No. SPOP-2992H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SPOP protein, fused with a T7-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques, 42132Da (374aa).
Species	Human
Source	E.coli
Description	Speckle-type POZ protein is a protein that in humans is encoded by the SPOP gene. This gene encodes a protein that may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the encoded protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that is enriched on inactivated X chromosomes. The BTB/POZ domain of this protein has been shown in other proteins to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. Alternative splicing of this gene results in multiple transcript variants encoding the same protein.
Sequences of amino acids	MSRVSPPPP AEMSSGPVAE SWCYTQIKVV KFSYMWTTNN FSFCREEMGE VIKSSTFSSG ANDKLKWCLR VNPGLDEES KDYLSTLYLLL VSCPKESEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD FLLDEANGLL PDDKLTLCFCE VSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRT DCCLCVAGQE FQAHKAILAA RSPVFSAMFE HEMEESKKNR VEINDVEPEV

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FKEMMCFIYT GKAPNLDKMA DDLLAAADKY ALERLKVMCE DALCSNLSVE
 NAAEILILAD LHSADQLKTQ AVDFINYHAS DVLETSGWKS MVVSHPHLVA
 EAYRSLASQA CPFLGPPPKR LKQS

Formulation 10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN₃

Purity 95% by SDS - PAGE

Applications MS. SDS

GENE INFORMATION

Gene Name [SPOP speckle-type POZ protein \[Homo sapiens\]](#)

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

Gene ID [8405](#)

mRNA Refseq [NM_001007226](#)

Protein Refseq [NP_001007227](#)

MIM [602650](#)

UniProt ID [O43791](#)

Chromosome Location 17q21.33

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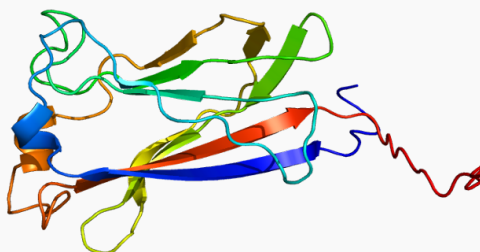
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Function

Protein binding

PDBrendering based
on 2cr2. Available
structures:2cr2



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